

樹木園 所藏標本을 中心으로 한 國內 木本 植物의 分布地에 대해서 (XIII)

장계선, 장진성

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The distribution of the woody plants of Korea based on herbarium (SNUA) material of The Arboretum (XIII)

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Summary

Herbarium specimens provide permanent records for a species at a particular time and place and form the basis of reliable distribution maps for plant taxa. Also, the distribution map is used plant taxonomy as well as ecology, forestry, agriculture, and paleobotany. We selected 329 maps of woody plants of Korea using the deposited specimens at the T. B. Lee herbarium of the Arboretum, Seoul National University (SNUA). Takhtajan propose two provinces (Manchurian and Japanese_Korean) for the Korean peninsula, but based on this current study in terms of woody flora, three provinces seems to be more reasonable classification: Amur Province (=Manchurian provinces, sensu Takhtajan), North Chinese Province, and Korean-Japanese Province (including Central Chinese Province). Among the total flora, Amur Province is ca. 25 to 30%, while Korean-Japanese Province is over 35 to 40%. Also, North Chinese Province is only 10%. Endemic taxa

is less than 5% and widely distributed taxa in eastern Asia is ca. 10%. This current study is an on-going project and will be revised based on more specimens deposited at other herbaria in Korea.

서 론

식물의 분포 형태는 과거 식물이 존재해 오고 또한 현재 자라고 있는 환경 조건의 결과로서 지구의 역사를 말해주고, 다양한 환경 요소들의 현 상태를 반영하는 환경의 척도이다. 이러한 식물의 지리적인 분포를 결정하고 해석하는 것은 식물학 뿐만 아니라 기후학과 같은 다른 과학 분야에서도 매우 유용하다.

식물의 분포에 대한 연구는 일차적으로 식물 분류학과 식물 사회학에 관련되어 있다. 식물그룹에 대한 분류학적 연구 혹은 지역에 대한 식물상 연구는 식물의 분류학적 연구 그 자체 혹은 식물 목록에 제한되어서는 안 되며, 이를 이용하여 분포에 대한 지식을 더 많이 축적해야 한다. 이러한 식물 분포는 각 분류군 혹은 분류군간의 분류학적 관계의 정체성 혹은 한계를 보다 더 정확히 이해할 수 있도록 해 준다. 식물 사회학은 잘 갖추어진 식물상의 구성에 기초한 식물 사회를 분류하고 묘사하는 것으로, 각 구성요소들의 지리적, 생태학적 특성 또한 고려되어야 한다. 따라서 종의 분포를 확실히 이해한다면 식물 사회학자들은 더 유용한 식생 단위의 체계를 성립할 수 있을 것이다(Horikawa, 1972).

임학자들과 농학자들 역시 더 합리적인 계획의 소개와 관리를 위하여 분포도를 이용할 수 있으며, 동물학자들 역시 식물과 상관관계를 갖는 동물의 생태와 분포를 위하여 분포도를 이용할 수 있다. 지리학자들과 고생물학자들에게 식물의 분포에 대한 지식은 그들의 구상을 체계화 하는데 유용한 정보가 될 수 있다. 또한 생물기후학자들 역시 환경과 지리학적인 공간에서의 식물종의 분포를 고려해야 한다. 더 나아가 산업발달과 관광사업의 확대 등에 의한 다양한 활동으로 인한 자연적인 식물상의 파괴의 관점에서, 각 종이 생육하고 있는 지역을 기록하고 그 범위에 대한 현재 상태를 보여주는 지도를 후대에 남기는 것은 중요하다.

표본실은 “original documents”인 표본의 저장고로서, 단순히 건조된 식물의 창고나 집합소가 아닌 분류학, 진화 그리고 분포 등 한 지역의 식물상에 대한 모든 지식을 전달하여 주는 장소로서 연구에 필수적인 중요한 책을 보관하는 대학의 도서관과 비교될 수 있다(Jones and Luchsinger, 1986). 표본실에 보관된 표본은 건조된 식물 이상의 의미를 지니며, 분류, 생태, 임학, 원예, 고생물학 등의 분야에서 요구되는 국내 식물의 분포도, 종

의 검색표, 그리고 특정지역에 대한 식물상 등에 대한 기초적인 자료를 제공할 수 있다.

서울대학교 농업생명과학대학 수목원 표본실(SNUA)은 1995년부터 소장되거나, 새로 채집된 표본을 중심으로 남한에 분포하는 식물의 표본조사를 통해 각 분포에 대한 정보를 제시하고 있다. 본 논문에서는 전체 목본식물 중 자생식물을 중심으로 정리하였다.

재료 및 방법

분포도 작성을 위해 서울대학교 농업생명과학대학 수목원 수우표본관(SNUA)에 소장된 표본을 조사하였으며, 북한지역의 분포는 Chung(1943)의 연구를 참고로 작성하였다.

결과 및 고찰

국내에 분포하는 야생목본 식물 중 65과 167속 359분류군에 대한 분포도를 작성하였다. 현재 국내에서 분포하는 종의 분포 양상을 보면 Takhtajan의 구계 구분(1986)에 의하면 한반도를 만주구계와 한일구계 등으로 양분하였지만(Fig. 1), 실지로 자세히 분포를 분석해 보면 한반도는 만주구계 (Fig. 3), 한일구계 (중국 남부 분포도 포함, Fig. 4), 중국 북부 구계 (Fig. 5)등으로 구성되며 이외 고유종으로 국내에 국한해서 분포하는 분류군(Fig. 6), 전국적으로 분포하는 분류군(Fig. 7) 등 모두 5개로 크게 나뉘볼 수 있고 이런 자료를 근간으로 수정해서 제시하였다 (Fig. 2).

현재 분석된 자료는 모든 목본 분류군에 조사된 자료가 아니라 한정된 종수(329 taxa)를 근간으로 정확한 숫자로 제시하기는 어렵지만 대략적인 분석에 의하면 만주구계는 약 25-30%, 한일구계 약 35-40%, 중국 북부구계 약 10%를 차지하며 고유종의 경우는 약 5%, 전국적으로 분포하면서 동북아시아에 넓게 분포하는 종 구성은 약 10%가 넘는 것으로 본다.

지금 이 분포도는 SNUA 표본관에 소장된 표본과 Chung(1943)의 자료만을 근간으로 만든 작업이라 완전한 분포도 완성으로 보기 어렵고 진행되는 과정으로 보면 된다. 현재 표본을 근간으로 GIS를 이용하여 점으로 표시하여 따로 분포도를 작성하고 있으며, 추후 타 대학 및 기관의 표본을 참고하여 더 많은 표본 확인점을 완성하고자 한다. 이런 일련의 과정 중 가장 문제가 되는 것은 표본에 대한 오동정 문제서 모두 한사람이 확인해서 작업하기 어려워 이 분포도는 지속적인 수정이 필요하다. 이와 관련된 수정작업은 지속적으로 진행하고자 한다.

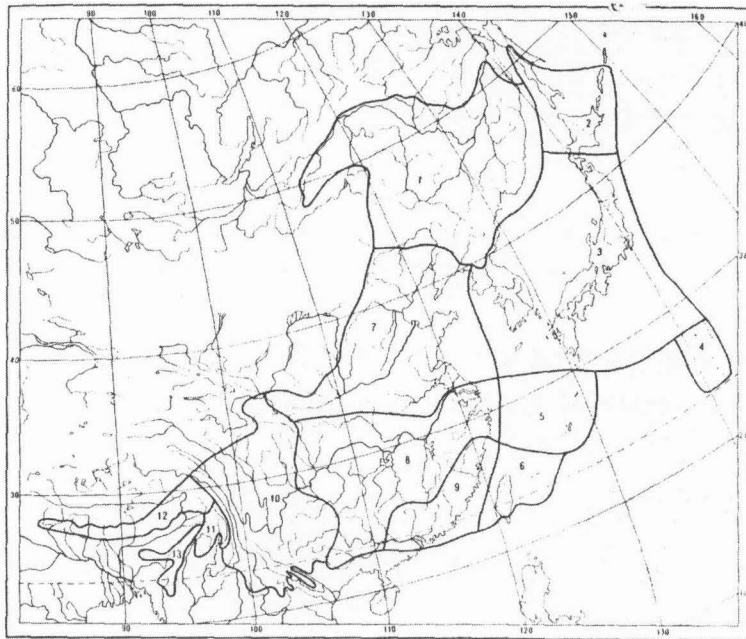


Fig. 1. Floristic region of eastern Asia (Takhtajan, 1986)

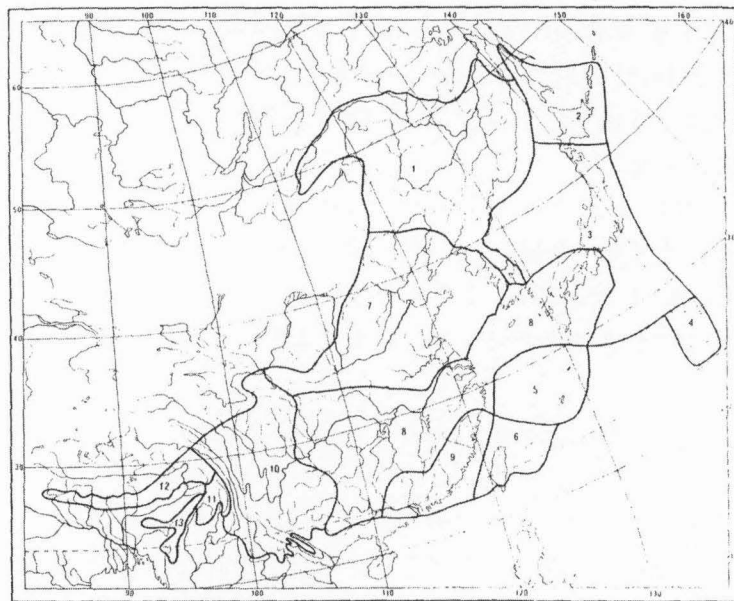


Fig. 2. Modified Takhtajan's psoposed provinces



Fig. 3. Northeastern flora



Fig. 4. Southern Chinese (=Amur flora) type



Fig. 5. Northern Chinese and Japanese flora type



Fig. 6. Endemic flora type



Fig. 7. Widely distributed flora in Eastern Asia type

요 약

식물 건조 표본은 분류, 생태, 임학 및 여러 과학 분야의 기초적, 필수적 자료로서 특히 이를 이용한 분포도 작성은 분류학은 물론 식물 사회학 및 기타 임학과 농학, 고생물학 등의 분야에 중요한 자료가 된다. 따라서 본 연구는 樹友표본관(SNUA)에 소장된 표본을 중심으

로 한반도에 자생하는 목본식물 67과 167속 359분류군에 대한 분포도를 작성하였다. Takhtajan의 분류에 의하면 한반도를 만주구계와 한일구계로 양분하였지만 현재 본 연구에 의하면 3개의 구계로 나누는 것이 적절하다고 판단한다: 아무르구계(=만주구계), 한일구계(중국 중부구계 일부 포함), 중국 북부구계. 현 연구의 목본 분포도를 근간으로 대략적인 분석을 시도해 보았는데, 만주구계는 약 25-30%, 한일구계 약 35-40%, 중국 북부구계 약 10%를 차지하며 고유종의 경우는 약 5%, 전국적으로 분포하면서 동북아시아에 넓게 분포하는 종 구성은 약 10%가 넘는 것으로 확인되었다. 이 연구는 계속 진행되는 연구로서 추후 타 대학이나 기관의 소장된 표본을 추가하여 지속적인 보완을 시도하고자 한다.

감사의 글

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인 용 문 헌

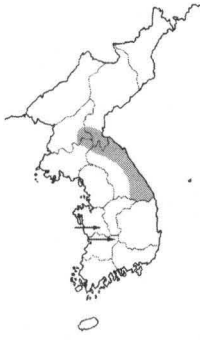
Chung, T. H. 1943. Korean Woody Flora. Ywon-gu-seo-ri. Seoul (in Japanese).

Jone, S. B. and A. E. Luchsinger. 1986. Plant SIstematics. MCGraw-Hill Book Company. New York.

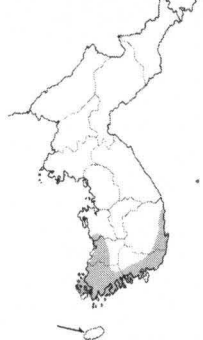
Horikawa, Y. 1972. Atlas of the Japanese Flora an introduction to plant sociology of East Asia. Gakken Co., Ltd. Tokyo.

Appendix. Distribution maps of woody plants of Korea

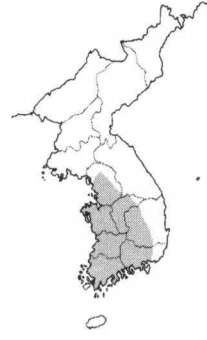
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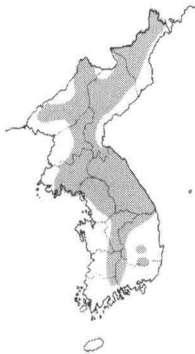
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주목



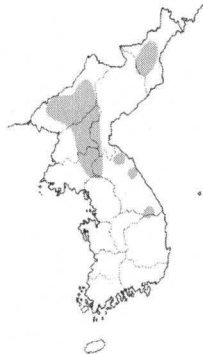
Torreya nucifera (L.) Siebold et Zucc.
비자나무



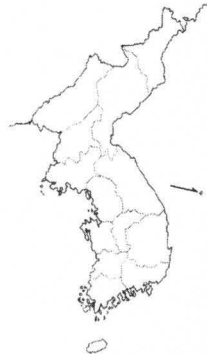
Cephalotaxus harringtoniana (Knight ex Forbes) K. Koch
개비자나무



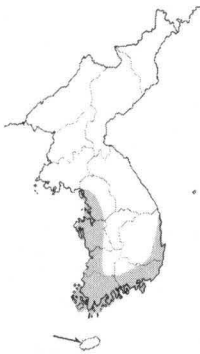
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잣나무



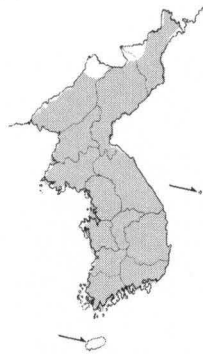
Pinus pumila (Pallatore) Regel
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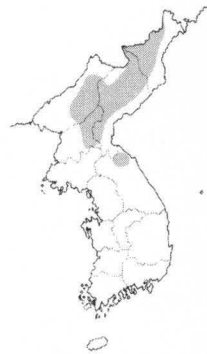
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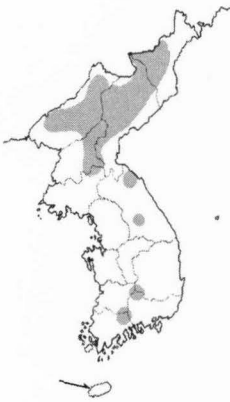
Pinus thunbergii Parl.
곰솔



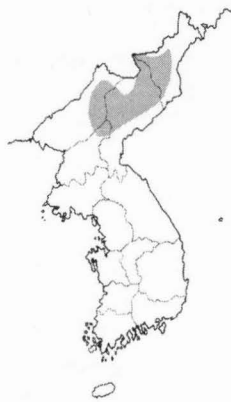
Pinus densiflora Siebold et Zucc.
소나무



Larix gmelinii (Rupr.) Kuzeneva
잎갈나무



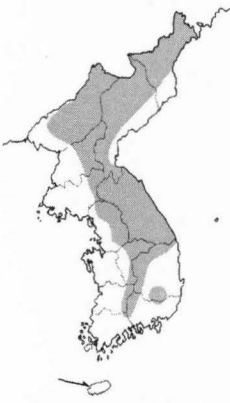
Picea jezoensis
(Siebold et Zucc.) Carrière
가문비나무



Picea obovata Ledeb.
종비나무



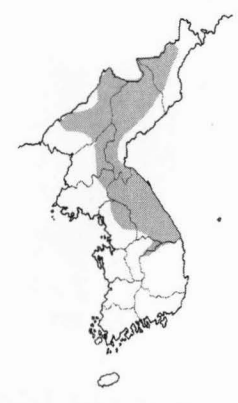
Tsuga sieboldii Carrière
솔송나무



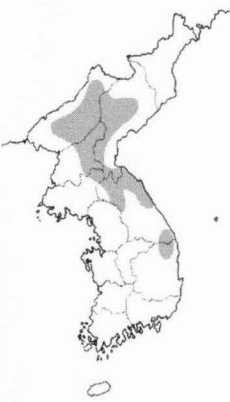
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젖나무 (전나무)



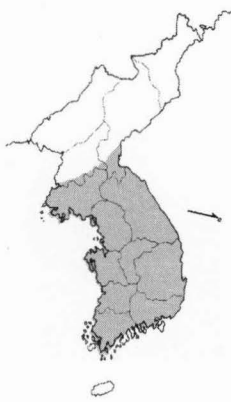
Abies koreana E. H. Wilson
구상나무



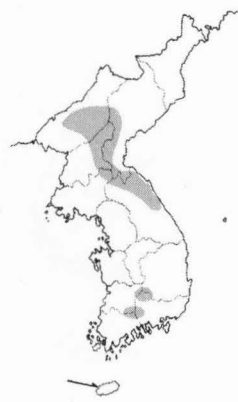
Abies nephrolepis (Trautv.)
Maxim.
분비나무



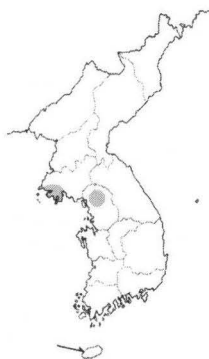
Thuja koraiensis Nakai
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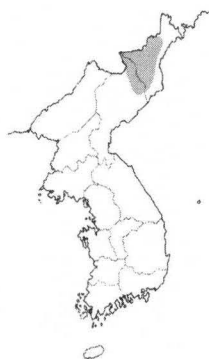
Juniperus chinensis L.
향나무



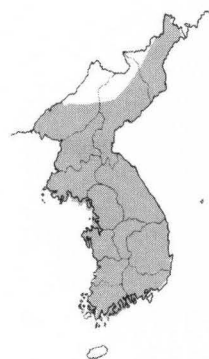
Juniperus chinensis var.
sargentii A. Henry
눈향나무



Juniperus chinensis var.
procumbens (Siebold) Endl.
섬향나무

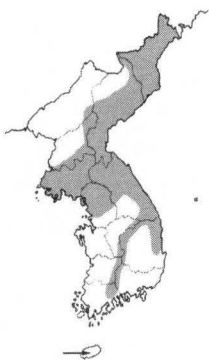


Juniperus communis L.
subsp. *alpina* (Suter) Celak.
곶향나무



Juniperus rigida Siebold et
Zucc.
노간주나무

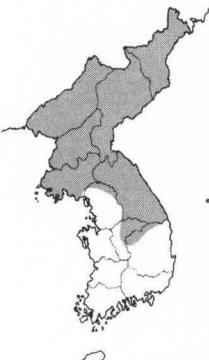
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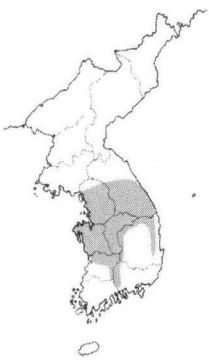
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호랑버들



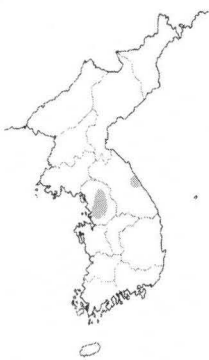
Myrica rubra Siebold et Zucc.
소귀나무



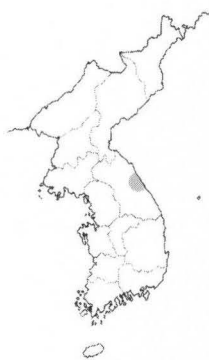
Juglans mandshurica Maxim.
가래나무



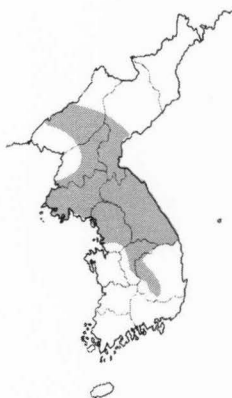
Alnus hirsuta Turcz. ex Rupr.
물오리나무



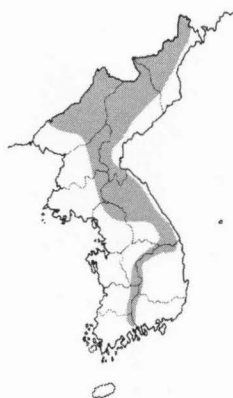
Alnus japonica (Thunb.)
Steudel
오리나무



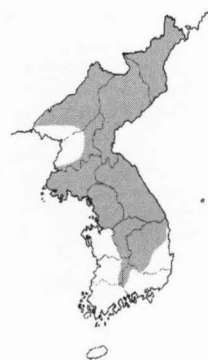
Alnus viridis (Chaix) DC.
subsp. *fruticosa* (Rupr.) Nyman
덤불오리



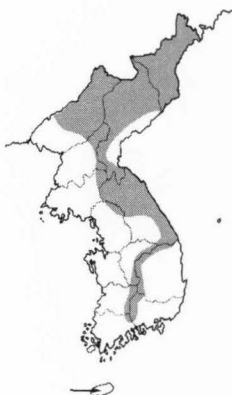
Betula chinensis Maxim.
개박달나무



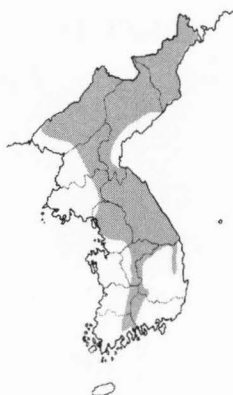
Betula costata Trautv.
거제수나무



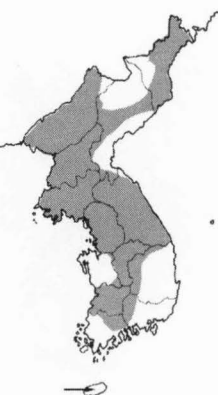
Betula davurica Pall.
물박달나무



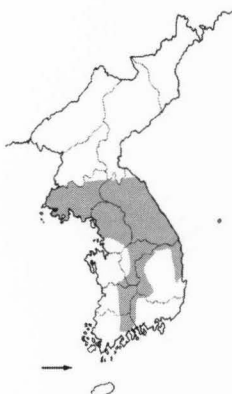
Betula ermanii Cham.
사스레나무



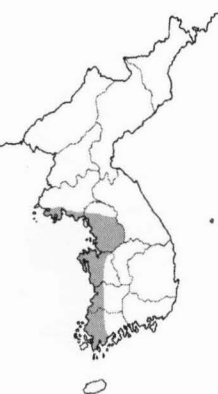
Betula schmidtii Regel
박달나무



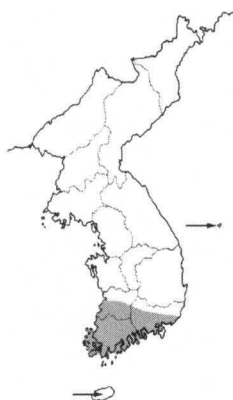
Carpinus cordata Blume
까치박달



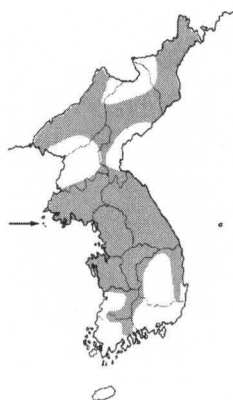
Carpinus laxiflora (Siebold et Zucc.) Blume var. *laxiflora*
개서어나무
서어나무



Corylus heterophylla Fisch.
개암나무



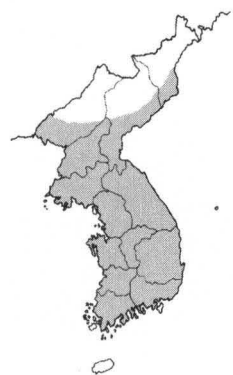
Corylus sieboldiana Blume
var. *sieboldiana*
참개암나무



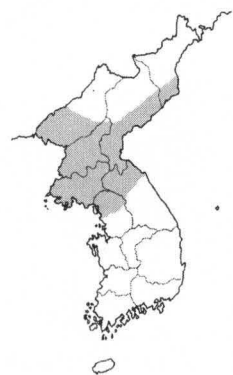
Corylus sieboldiana Blume
var. *mandshurica* (Maxim.)
C. K. Schneid. 물개암나무



Ostrya japonica Sarg.
새우나무



Castanea crenata Siebold et
Zucc.
밤나무



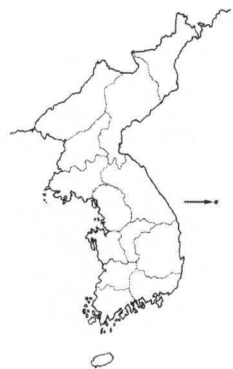
Castanea mollissima Blume
약밤나무



Castanopsis cuspidata
(Thunb.) Schottky
모밀잣밤나무



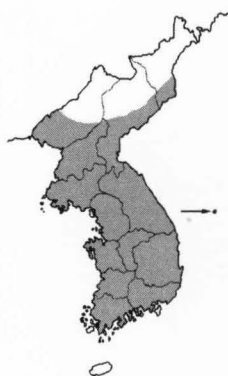
Castanopsis sieboldii (Makino)
Hatusima ex T. Yamazaki et Mashiba
구실잣밤나무



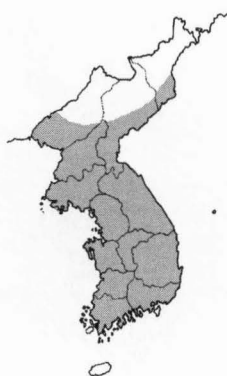
Fagus engleriana Seem.
너도밤나무



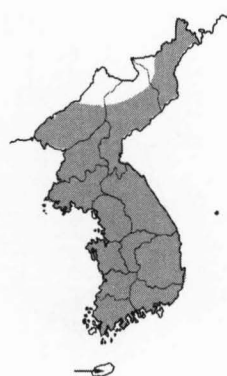
Quercus acuta Thunb.
붉가시나무



Quercus acutissima Carruther
상수리나무



Quercus aliena Blume
갈참나무



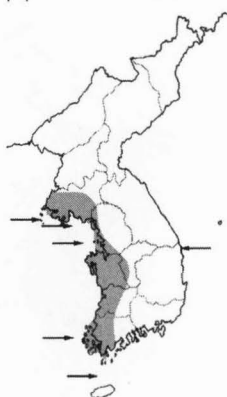
Quercus mongolica
Fisch. ex Ledeb.
신갈나무



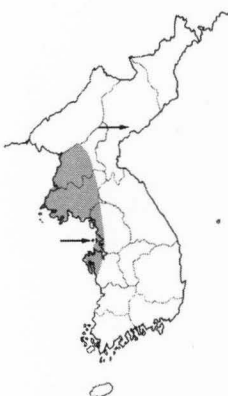
Quercus salicina Blume
참가시나무



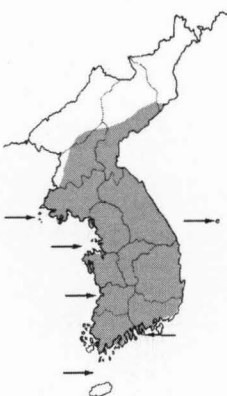
Aphananthe aspera (Thunb.)
Planch. 푸조나무



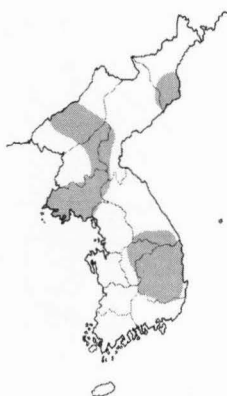
Celtis biondii Pamp.
꼭나무



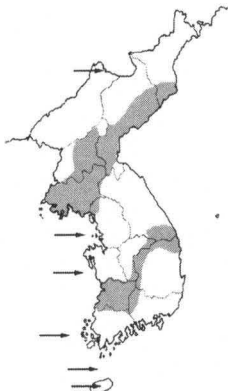
Celtis bungeana Blume
좁풍계나무



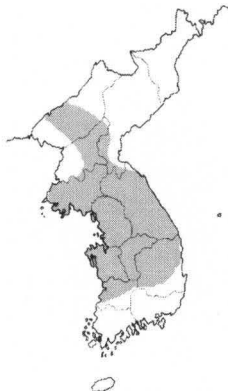
Celtis jessoensis Koidz.
풍계나무



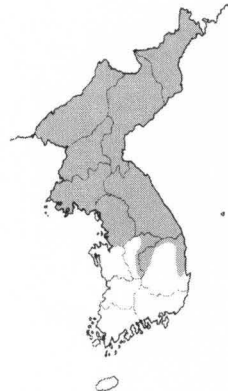
Celtis koraiensis Nakai
왕팽나무



Celtis sinensis Pers.
팽나무



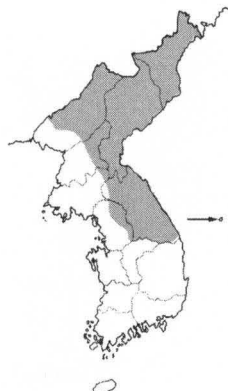
Hemiptelea davidii (Hance)
Planchon
시무나무



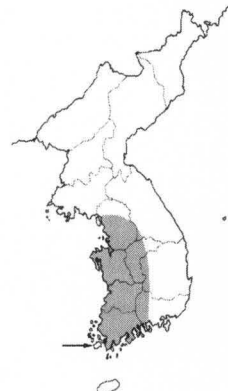
Ulmus davidiana var.
japonica (Rehder) Nakai
느릅나무



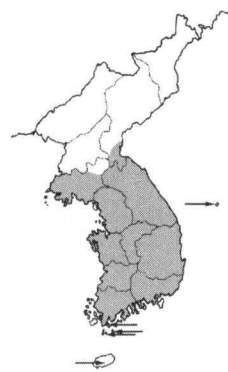
Ulmus davidiana Planch. ex
DC. var. *davidiana*
당느릅나무



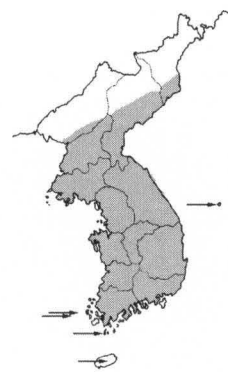
Ulmus laciniata (Trautv.)
Mayr 난티나무



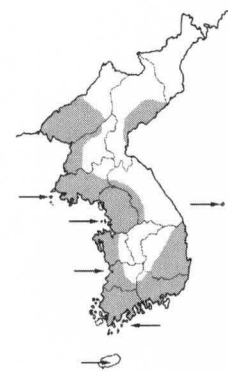
Ulmus parvifolia Jacquin
참느릅나무



Zelkova serrata (Thunb.) Makino
느티나무



Broussonetia kazinoki
Siebold ex Siebold et Zucc.
닥나무



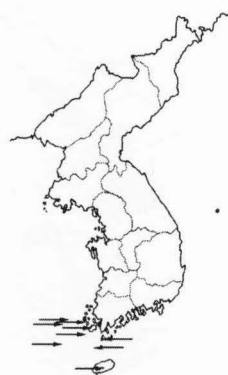
Broussonetia papyrifera
(L.) L'Her. ex Vent.
꾸지나무



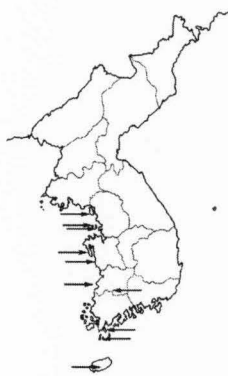
Ficus erecta Thunb.
천선과나무



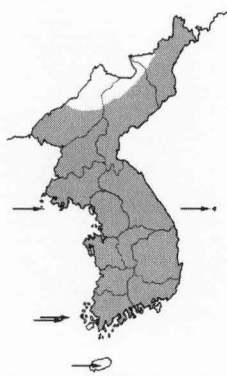
Ficus pumila L.
왕모람



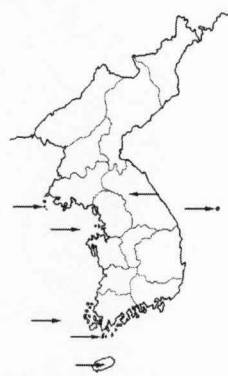
Ficus sarmentosa
Buch.-Ham. ex Smith var.
nipponica (Franch. et Sav.)
Corner 모람



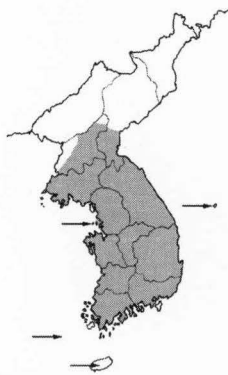
Maclura tricuspidata Carrière
꾸지뽕나무



Morus australis Poiret
산뽕나무



Morus cathayana Hemsley
돌뽕나무



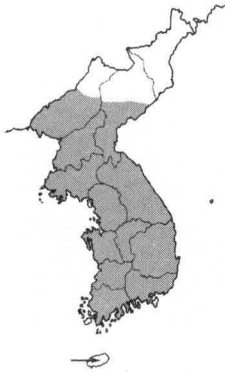
Boehmeria spicata Thunb.
좀깨잎나무



Taxillus yadoriki (Siebold)
Danser 참나무겨우살이



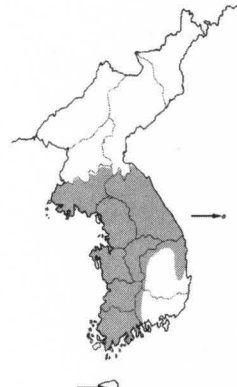
Korthalsella japonica (Thunb.)
Engler 동백나무겨우살이



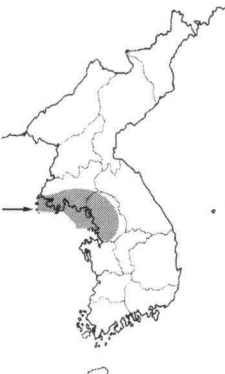
Viscum coloratum (Kom.)
Nakai 겨우살이



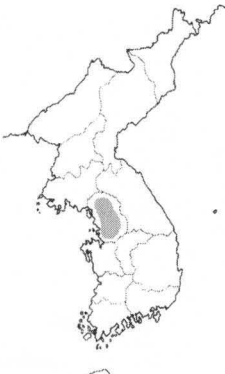
Aristolochia manshuriensis
Kom. 등취



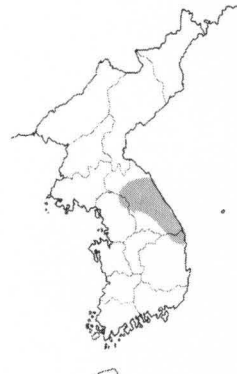
Clematis apiifolia DC.
사위질빵



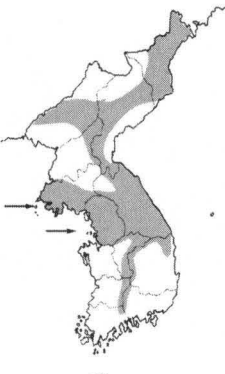
Clematis brachyura Maxim.
외대으아리



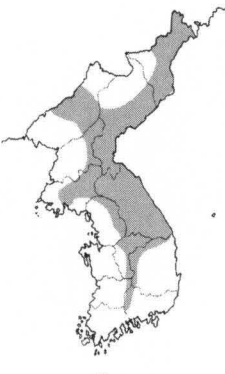
Clematis fusca Turcz.
검종덩굴



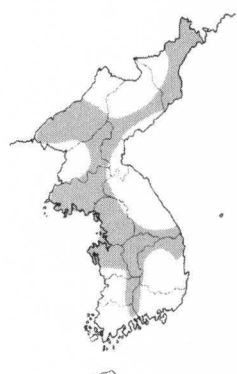
Clematis fusca var. *coreana*
(H. Lév.) Nakai ex M. Johnson
요강나물



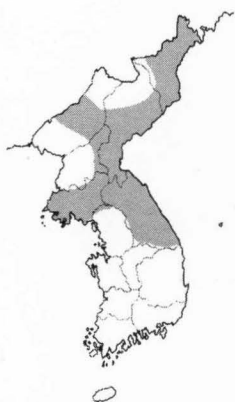
Clematis heracleifolia DC. var. *heracleifolia*
병조희풀



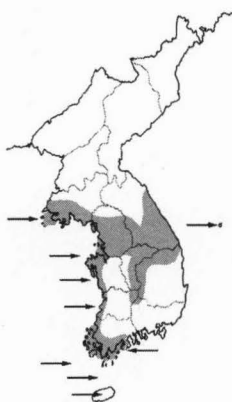
Clematis koreana Kom.
세잎종덩굴



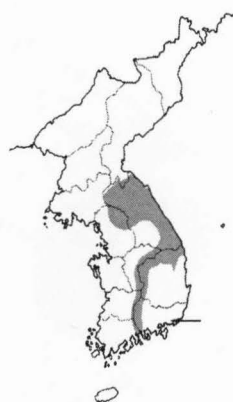
Clematis patens Morr. et
Decne.
큰꽃으아리



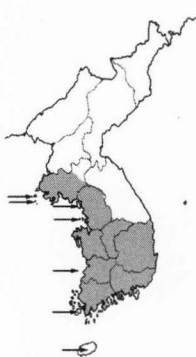
Clematis serratifolia Rehder
개버무리



Clematis terniflora DC. var. *terniflora* 참으아리



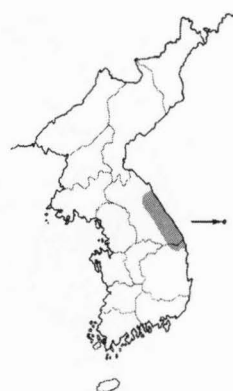
Clematis trichotoma Nakai
할미밀망



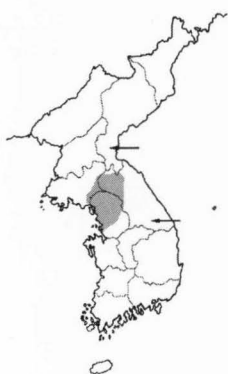
Akebia quinata (Houtt.)
Decne. 으름덩굴



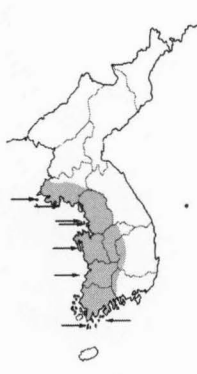
Stauntonia hexaphylla
(Thunb.) Decne. 멸꿀



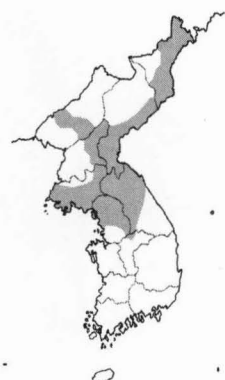
Berberis amurensis Rupr.
매발톱나무



Berberis koreana Palib.
매자나무



Cocculus trilobus (Thunb.)
DC. 땡땡이덩굴



Menispermum dauricum DC.
새모래덩굴



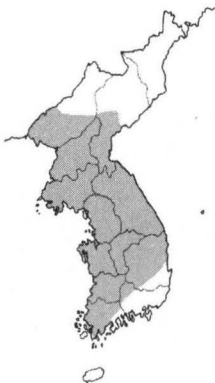
Sinomenium acutum (Thunb.)
Rehder et E. H. Wilson
방기



Michelia compressa (Maxim.)
Sarg. 초령목



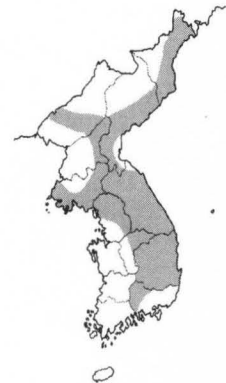
Magnolia kobus A.P. DC.
목련



Magnolia sieboldii K. Koch
함박꽃나무



Kadsura japonica (L.) Dunal,
남오미자



Schisandra chinensis (Turcz.)
Baillon 오미자



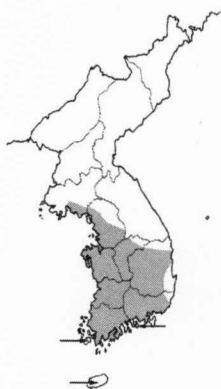
Cinnamomum camphora (L.)
J. Ohba 녹나무



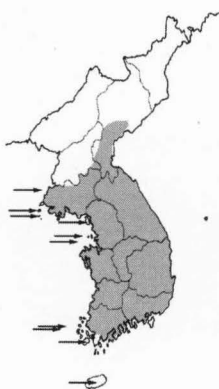
Cinnamomum yabunikkei H.
Ohba 생달나무



Linderia angustifolia Cheng
뇌성목



Lindera erythrocarpa Makino
비록나무



Lindera obtusiloba Blume
생강나무



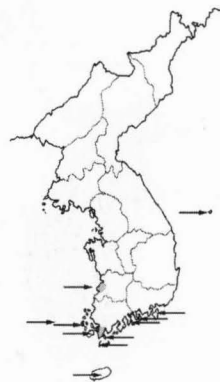
Litsea coreana H. Lévl.
육박나무



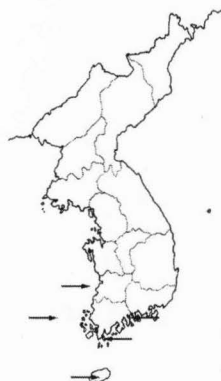
Litsea japonica (Thunb.) Juss.
까마귀쪽나무



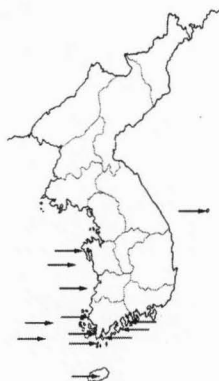
Machilus japonica Siebold et
Zucc. ex Meisn
센달나무



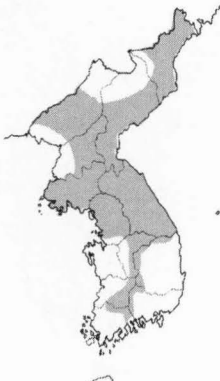
Machilus thunbergii Siebold
et Zucc. ex Meisn
후박나무



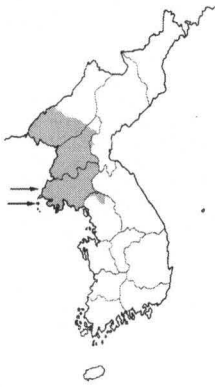
Neolitsea aciculata (Blume)
Koidz.
흰새덕이



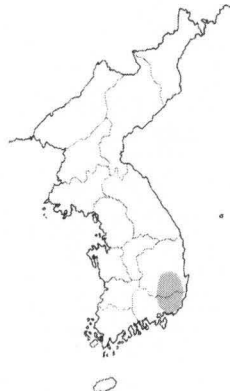
Neolitsea sericea (Blume)
Koidz.
참식나무



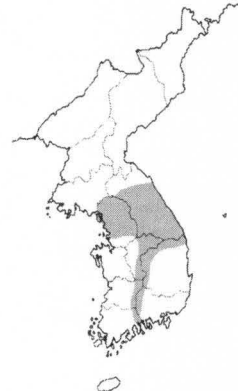
Deutzia glabrata Kom.
물참대



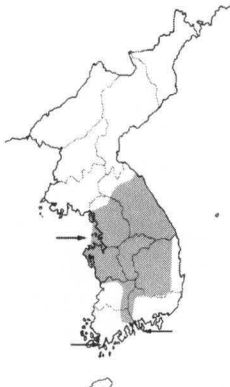
Deutzia grandiflora Bunge
바위말발도리



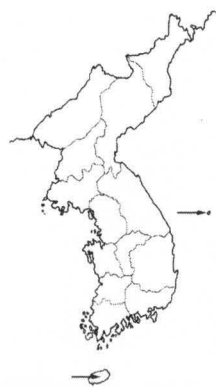
Deutzia paniculata Nakai
꼬리말발도리



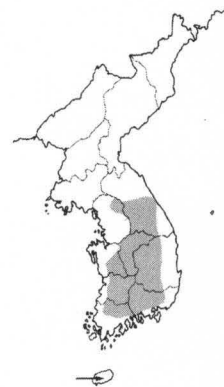
Deutzia parviflora Bunge
말발도리



Deutzia uniflora Shirai
매화말발도리



Hydrangea anomala subsp.
petiolaris (Siebold et Zucc.)
E. M. McClint. 등수국



Hydrangea macrophylla
subsp. *serrata* (Thunb.) Makino
산수국



Schizophragma hydrangeoides Siebold et Zucc.
바위수국



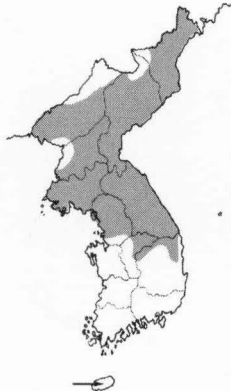
Pittosporum tobira (Thunb.)
Aiton 돈나무



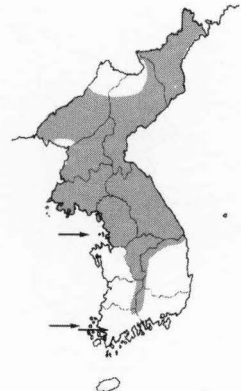
Amelanchier asiatica
(Siebold et Zucc.) Endl.
채진목



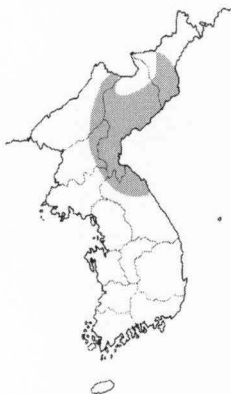
Cotoneaster multiflorus Bunge
섬개야광나무



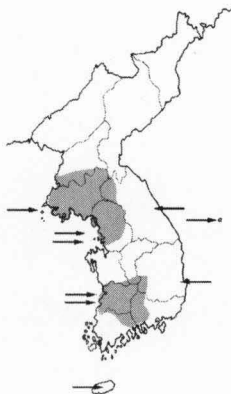
Crataegus pinnatifida Bunge
산사나무



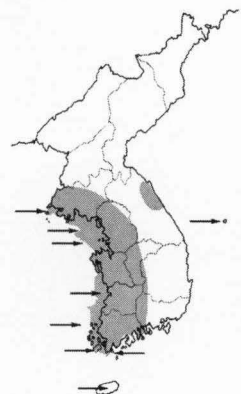
Malus baccata (L.) Borkh
var. *baccata*
야광나무



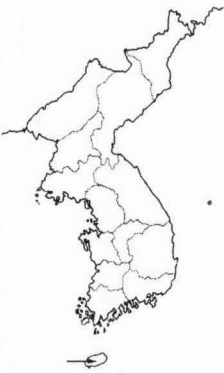
Malus komarovii (Sarg.)
Rehder
이노리나무



Malus toringo (Siebold)
Siebold ex de Vriese
아그배나무



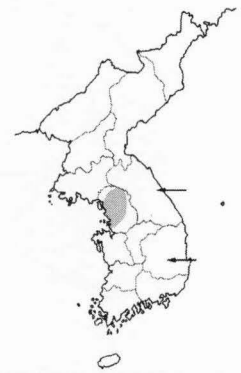
Photinia villosa (Thunb.) DC.
윤노리나무



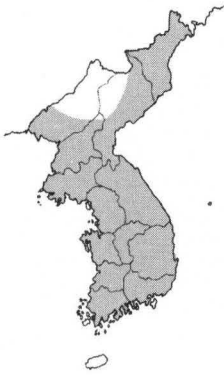
Prunus buergeriana Miq.
섬개벚나무



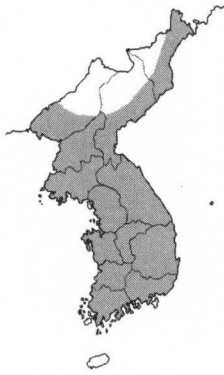
Prunus davidiana (Carrière)
Franch. 산복사



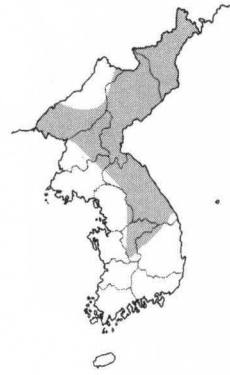
Prunus glandulosa Thunb.
산옥매



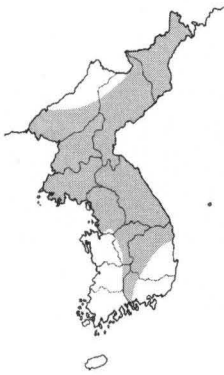
Prunus japonica Thunb. var. *japonica* 산이스라지



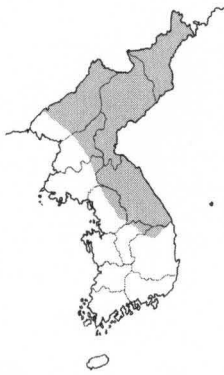
Prunus japonica var. *nakaii* (H. Lév.) Rehder 이스라지



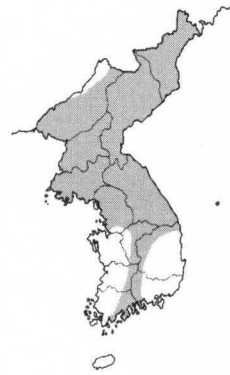
Prunus maackii Rupr. 개벚지나무



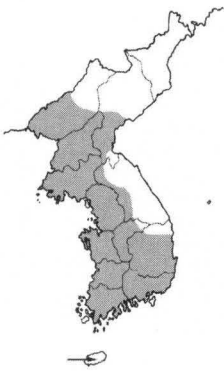
Prunus mandshurica (Maxim) Koehne 개살구나무



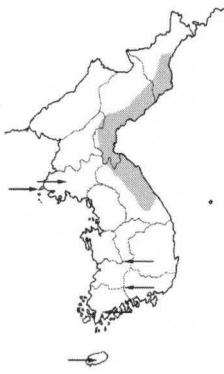
Prunus maximowiczii Rupr. 산개벚지나무



Prunus padus L. 귀룽나무



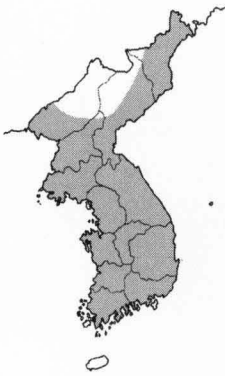
Prunus persica (L.) Stokes 복사나무



Prunus sargentii Rehder 산벚나무



Prunus sargentii Rehder var. *verecunda* (Koidz.) C. S. Chang 분홍벚나무



Prunus serrulata Lindley var. *pubescens* Nakai
잔털벚나무



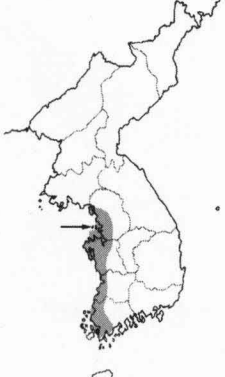
Prunus spachiana f. *ascendens* (Makino) Kitamura
올벚나무



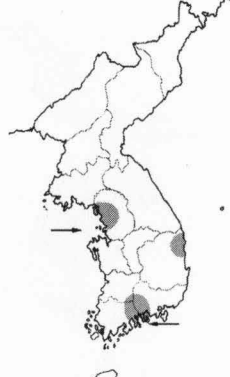
Prunus takesimensis Nakai
섬벚나무



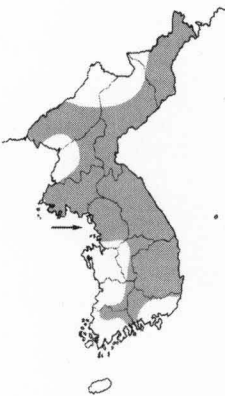
Prunus x *yedoense* Matsum.
왕벚나무



Pyrus fauriei C. K. Schnied.
콩배나무



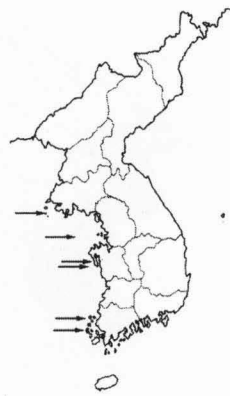
Pyrus pyrifolia (N. L. Burman) Nakai
돌배나무



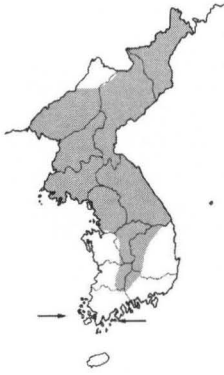
Pyrus ussuriensis Maxim.
산돌배나무



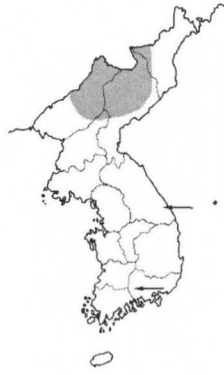
Raphiolepis indica (L.) Lindley ex Ker var. *umbellata* (Thunb.) Ohashi
다정큼나무



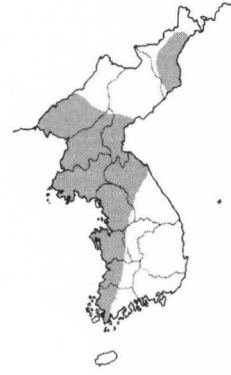
Rhodotypos scandens (Thunb.) Makino
병아리꽃나무



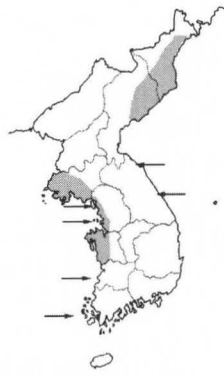
Rosa acicularis Lindl.
민둥인가목



Rosa davurica Pall. var. *Rosa maximowicziana* Regel
alpestris (Nakai) Kitag. 용가시나무
붉은 인가목



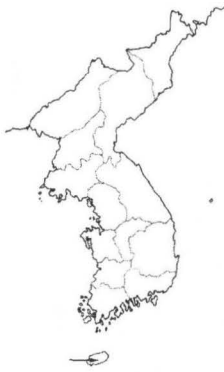
Rosa multiflora Thunb.
찔레꽃



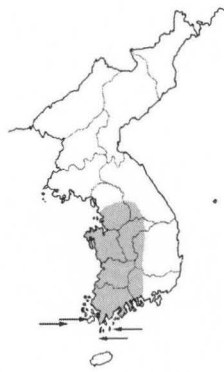
Rosa rugosa Thunb.
해당화



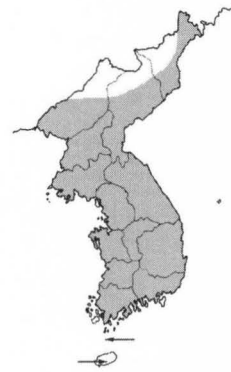
Rubus buergeri Miq.
겨울딸기



Rubus corchorifolius L. f.
수리딸기



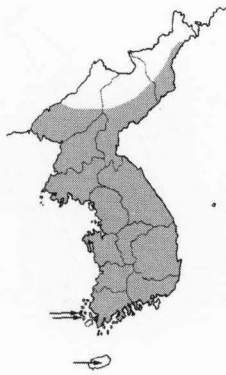
Rubus coreanus Miq.
복분자딸기



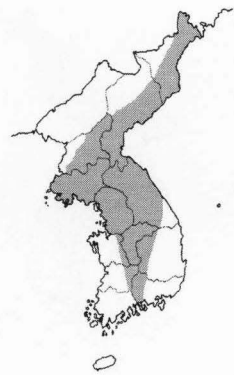
Rubus crataegifolius Bunge
산딸기



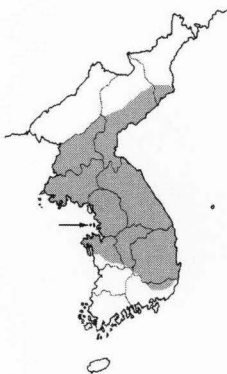
Rubus hirsutus Thunb.
장딸기



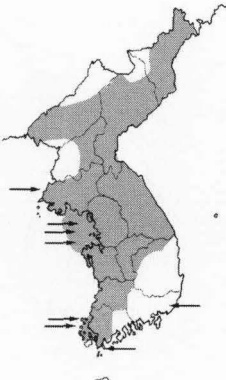
Rubus parvifolius L.
멍석딸기



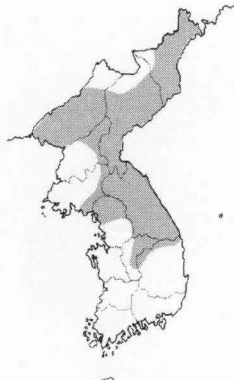
Rubus phoenicolasius Maxim.
곰딸기



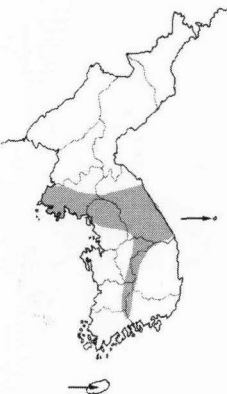
Rubus pungens Cambess.
줄딸기



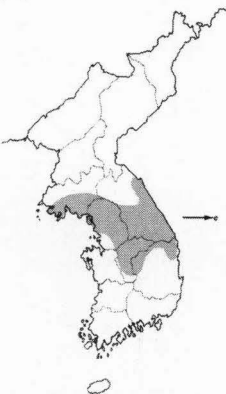
Sorbus alnifolia (Siebold et
Zucc.) K. Koch
팔배나무



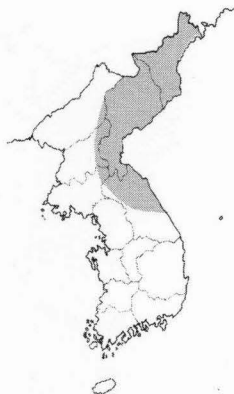
Sorbus aucuparia L.
당마가목



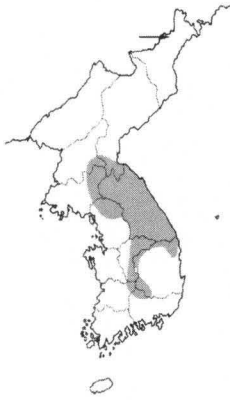
Sorbus commixta Hedlund
마가목



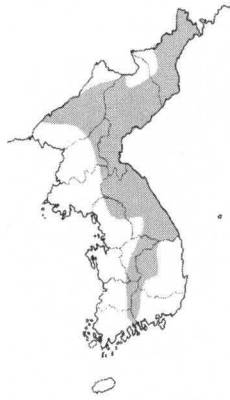
Spiraea blumei G. Don
산조팝나무



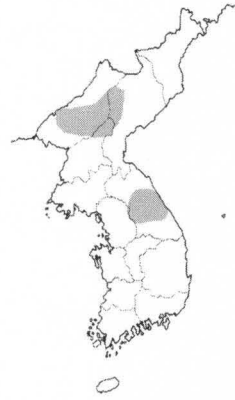
Spiraea chamaedryfolia L. var.
ulmifolia (Scop.) Maxim.
인가목조팝



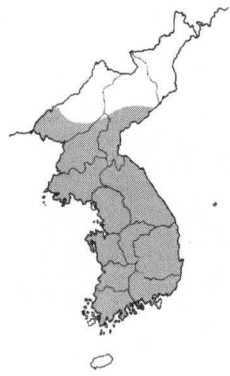
Spiraea chinensis Maxim.
당조팝나무



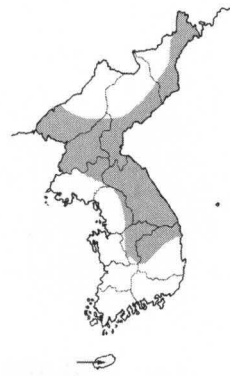
Spiraea fritschiana C. K.
Schneid. 참조팝나무



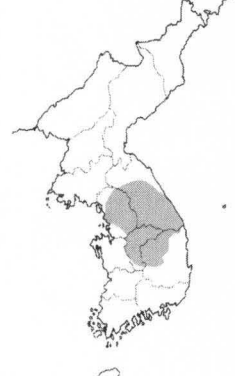
Spiraea miyabei Koidz.
덤불조팝나무



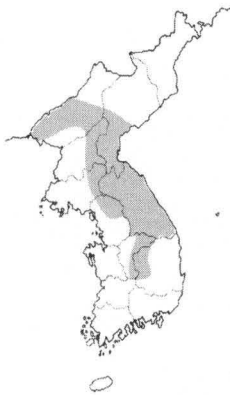
Spiraea prunifolia f.
simpliciflora Nakai
조팝나무



Spiraea pubescens Turcz.
아구장나무



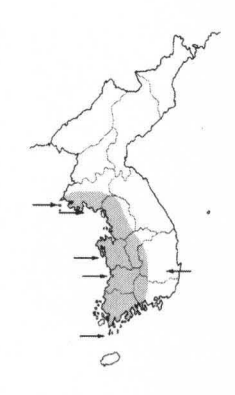
Spiraea salicifolia L.
꼬리조팝나무



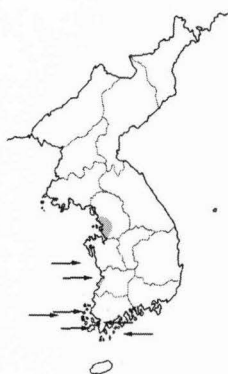
Spiraea trichocarpa Nakai
갈기조팝나무



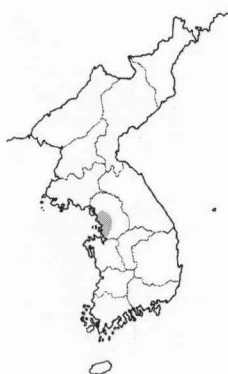
Albizia kalkora (Roxb.) Prain.
왕자귀나무



Albizia julibrissin Durazz.
자귀나무



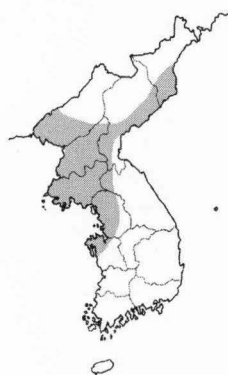
Caesalpinia decapetala
(Rith) Alston 실거리나무



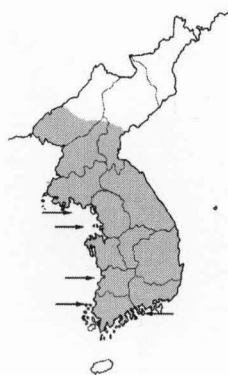
Caragana sinica (Buc'hoz)
Rehder 골담초



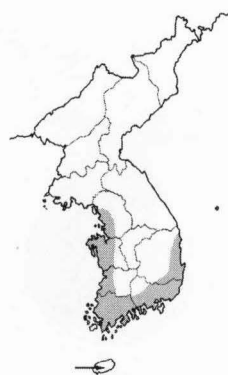
Euchresta japonica Hook. f.
ex Regel 만년콩



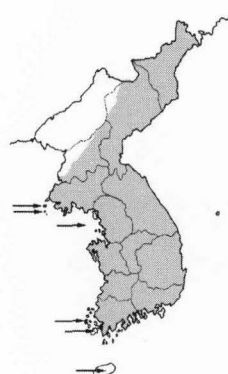
Gleditsia japonica Miq.
주엽나무



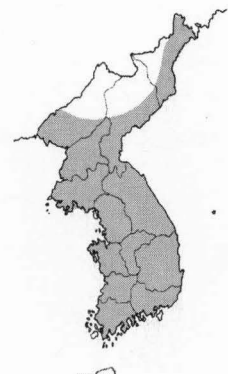
Indigofera kirilowii Maxim.
ex Palib. 땅비싸리



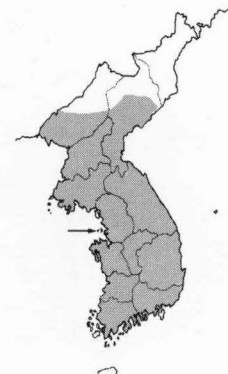
Indigofera pseudotinctoria
Matsum. 낭아초



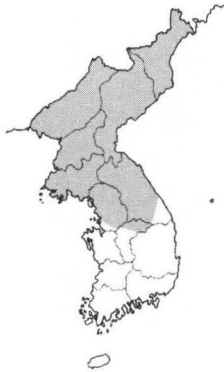
Lespedeza bicolor Turcz.
싸리



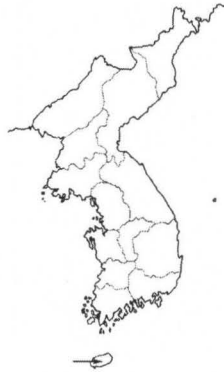
Lespedeza cyrtobotrya Miq.
참싸리



Lespedeza maximowiczii
C. K. Schneid
조록싸리



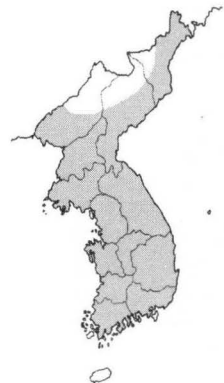
Maackia amurensis Rupr. et Maxim. 다릅나무



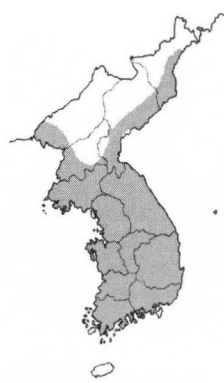
Maackia fauriei (H. Lév.) Takeda 솔비나무



Millettia japonica (Siebold et Zucc.) A. Gray 애기등



Pueraria lobata (Wiedenow) Ohwi 췌



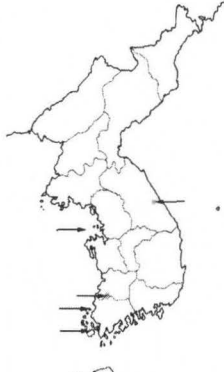
Robinia pseudoacacia L. 아카시나무



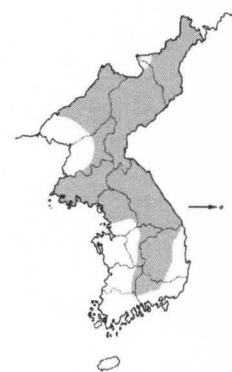
Sophora koreensis (Nakai) Nakai 개느삼



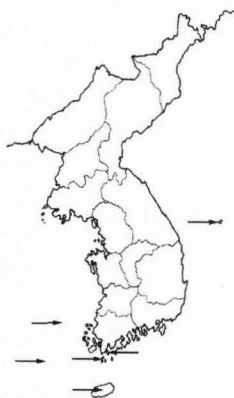
Wisteria floribunda A.P. DC. 등



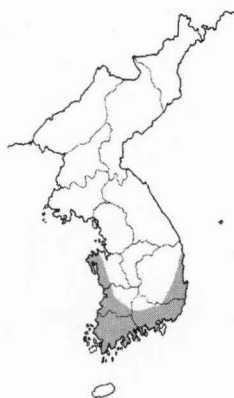
Orixia japonica Thunb. 상산



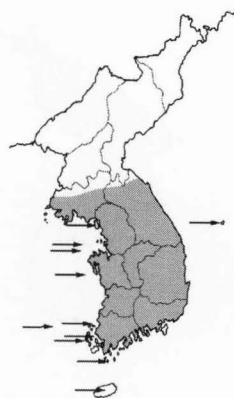
Phellodendron amurense Rupr. 황벽나무



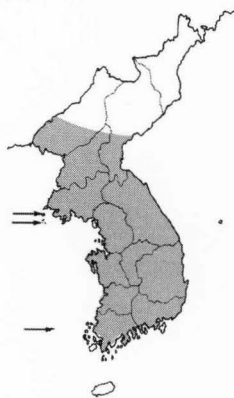
Zanthoxylum ailanthoides
Siebold et Zucc.
머귀나무



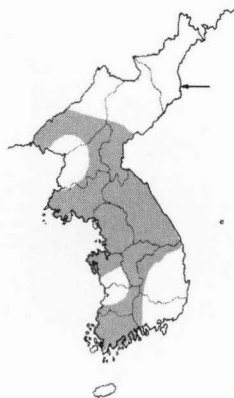
Zanthoxylum armatum DC.
개산초



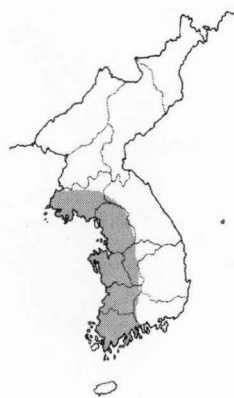
Zanthoxylum piperitum (L.) DC.
초피나무



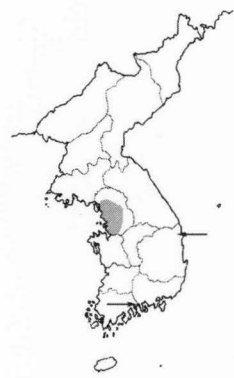
Zanthoxylum schinifolium
Siebold et Zucc.
산초나무



Picrasma quassioides
(D. Don) Benn.
소태나무



Toona sinensis (A. Juss.) A.
Roem.
참죽나무



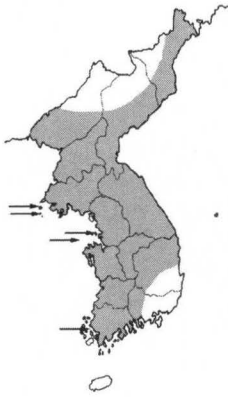
Polygala japonica Houtt.
애기풀



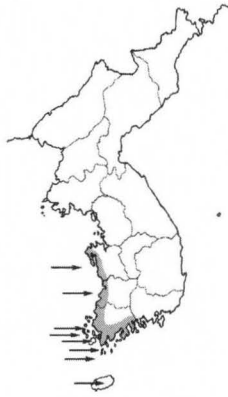
Daphniphyllum macropodum
Miq.
굴거리나무



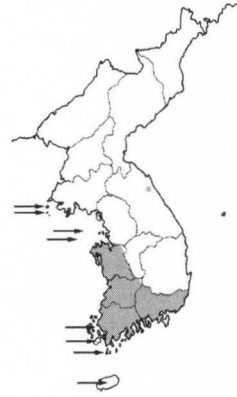
Daphniphyllum teijsmannii
Zoll. ex Teijsm.
좀굴거리나무



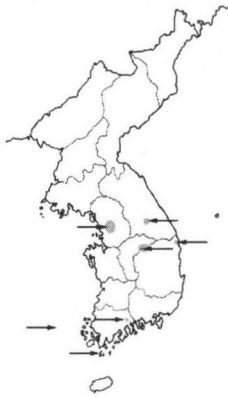
Flueggea suffruticosa (Pallas) Baillon
광대싸리



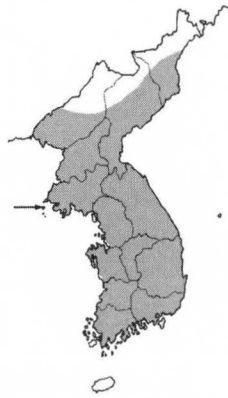
Mallotus japonicus (Thunb.) Muell-Arg.
예덕나무



Neoshirakia japonica (Siebold et Zucc.) Esser
사람주나무



Buxus microphylla Siebold et Zucc.
회양목



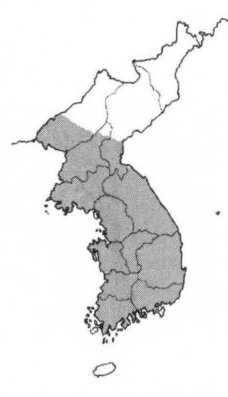
Rhus chinensis Mill.
불나무



Toxicodendron succedaneum (Linn.) O. Kuntze
검양꽃나무



Toxicodendron sylvestre (Sieb. et Zucc.) O. Kuntze
산검양꽃나무



Toxicodendron trichocarpum (Miq.) O. Kuntze,
개꽃나무



Ilex cornuta Lindl.
호랑가시나무



Ilex crenata Thunb.
팥팥나무



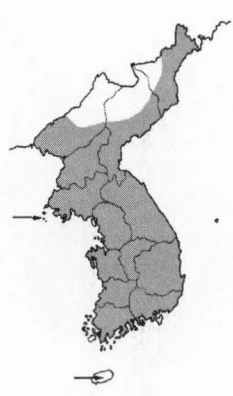
Ilex macropoda Miq.
대팥집나무



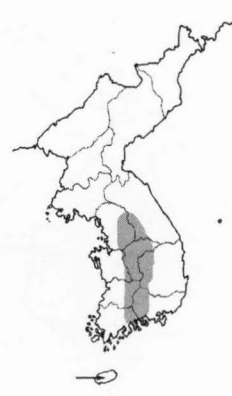
Ilex integra Thunb.
감탕나무



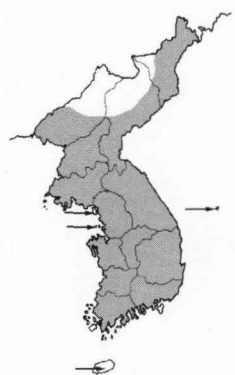
Celastrus flagellaris Rupr.
푼지나무



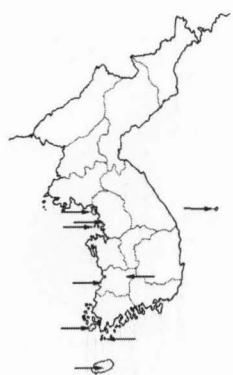
Celastrus orbiculatus Thunb.
노박덩굴



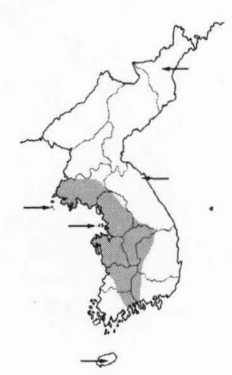
Celastrus stephanotifolius
(Makino) Makino
털노박덩굴



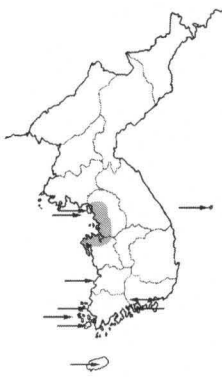
Euonymus alatus (Thunb.) Siebold
화살나무



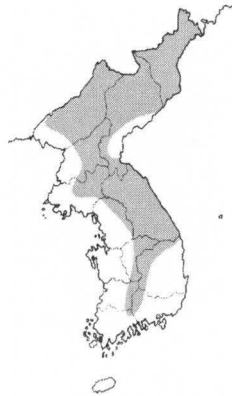
Euonymus fortunei (Turcz.) Hand.-Mazz.
줄사철나무



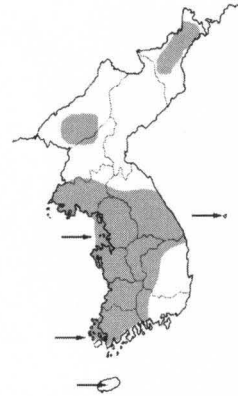
Euonymus hamiltonianus Wall.
참빗살나무



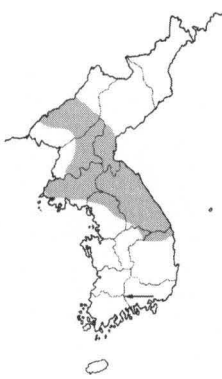
Euonymus japonicus Thunb. 사철나무



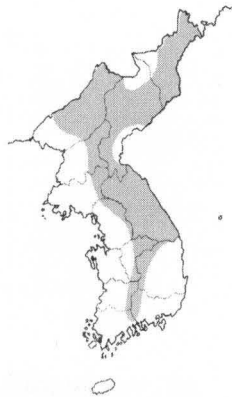
나래회나무



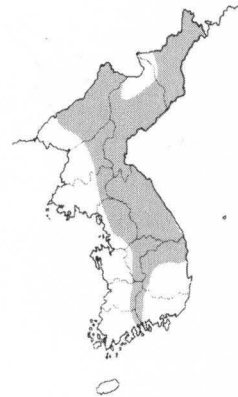
Euonymus oxyphyllus Miq. 참회나무



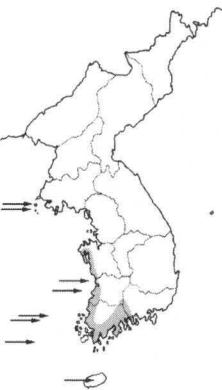
Euonymus planipes (Koehne) Koehne 회나무



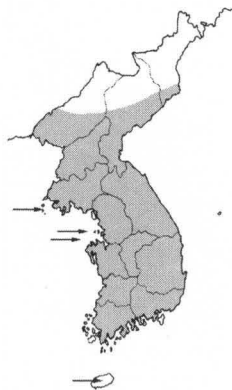
Euonymus verrucosus Scop. var. *pauciflorus* (Maxim.) Regel 회목나무



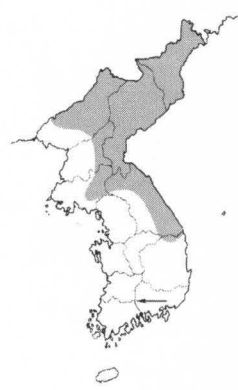
Tripterygium wilfordii Hook.f. 미역줄나무



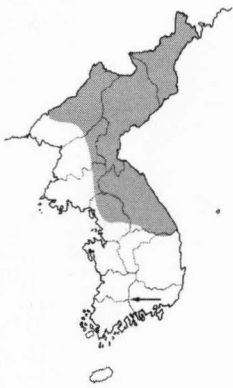
Euscaphis japonica Kanitz 말오줌때나무



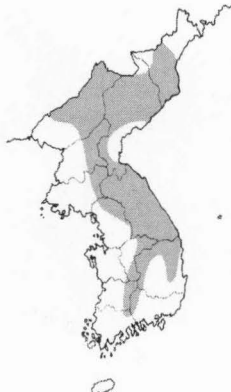
Staphylea bumalda DC. 고추나무



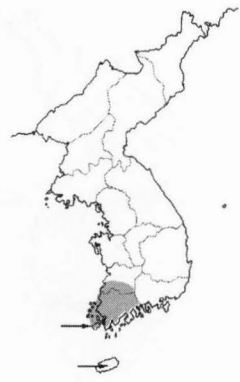
Acer barbinerve Maxim. 청시닥나무



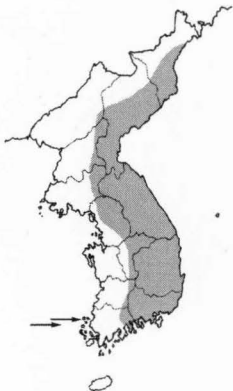
Acer komarovii Pojark.
시닥나무



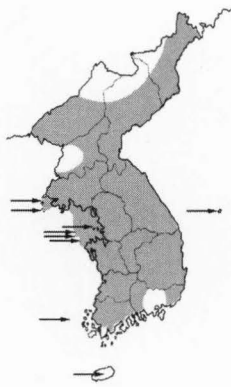
Acer mandshuricum Maxim.
복장나무



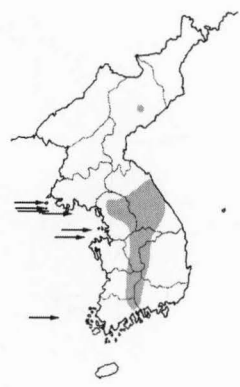
Acer palmatum Thunb.
단풍나무



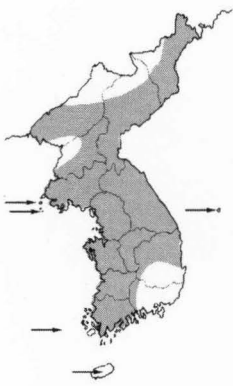
Acer pictum Thunb.
털고로쇠나무



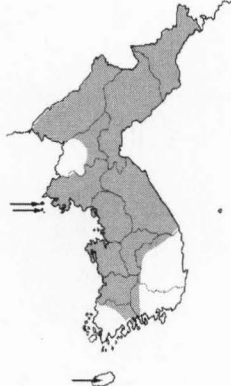
Acer pictum Thunb. var.
mono Maxim. ex Franch.
고로쇠나무



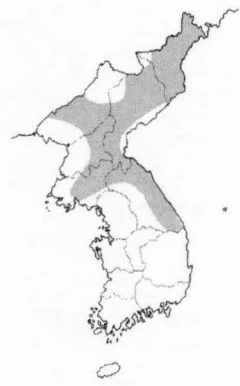
Acer pictum Thunb. var.
truncatum (Bunge) C. S. Chang
만주고로쇠



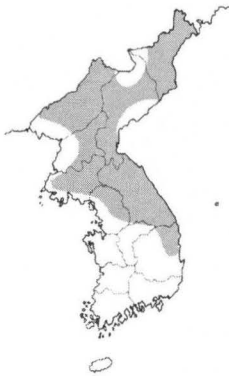
Acer pseudosieboldianum
(Pax) Kom.
당단풍나무



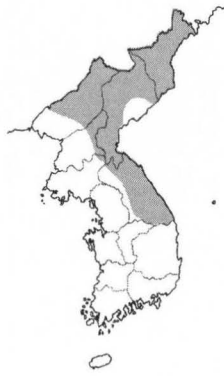
Acer tataricum subsp.
ginnala (Maxim) Wesmall
신나무



Acer tegmentosum Maxim.
산겨릅나무



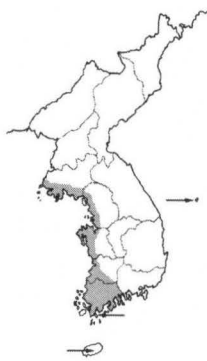
Acer triflorum Kom.
복자기나무



Acer ukurunduense Trautv. et C. A. Mey. 부계꽃나무



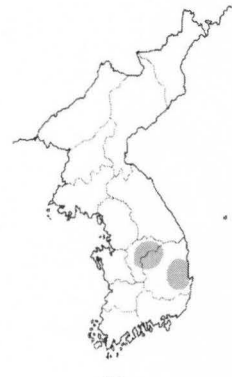
Koelreuteria paniculata Laxm.
모감주나무



Meliosma myriantha Siebold et Zucc.
나도밤나무



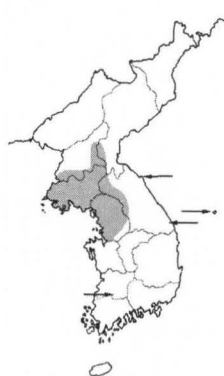
Meliosma pinnata (Roxb.) Maxim. var. *oldhamii* (Miq. ex Maxim.) Beusekom
합다리나무



Berchemia berchemiaefolia (Makino) Koidz.
망개나무



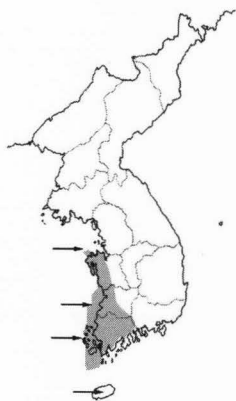
Berchemia floribunda (Wall.) Brongn. 먹넉출



Hovenia dulcis Thunb.
헛개나무



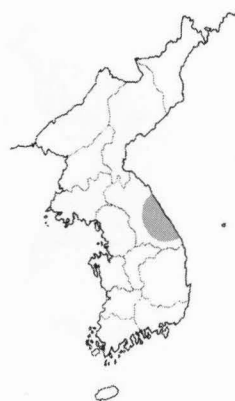
Paliurus ramosissimus (Lour.) Poir. 갯대추



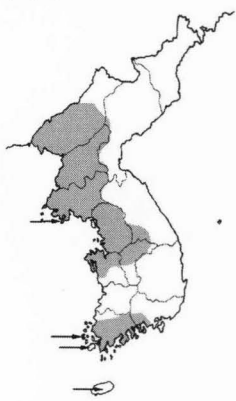
Rhamnella franguloides
(Maxim.) Weberbauer
까마귀베개



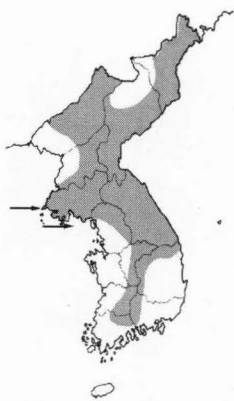
Rhamnus crenata Siebold et
Zucc. 산황나무



Rhamnus davurica Pall.
갈매나무



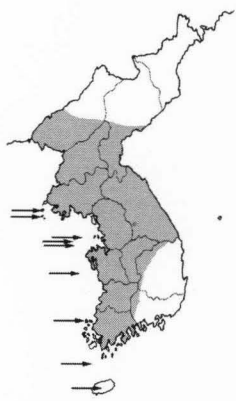
Rhamnus rugulosa Hemsl.
털갈매나무



Rhamnus yoshinoi Makino
 짝짜래나무



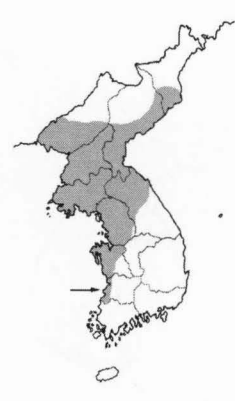
Sageretia thea (Osbeck)
M. C. Johnston 상동나무



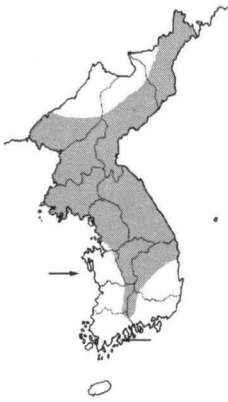
Ampelopsis heterophylla
(Thunb.) Siebold et Zucc.
개머루



Ampelopsis japonica
(Thunb.) Makino
가회톱



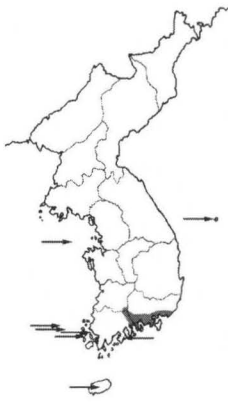
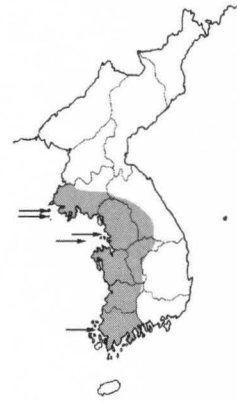
Partenocissus tricuspidata
(Siebold et Zucc.) Planchon
담쟁이덩굴



Vitis amurensis Rupr.
왕머루



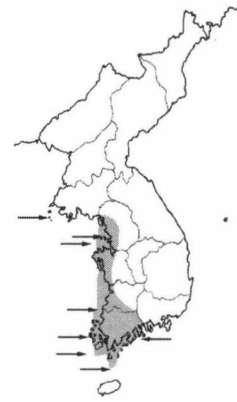
Vitis coignetiae Pulliat ex *Vitis flexuosa* Thunb.
Planch. 머루 새머루



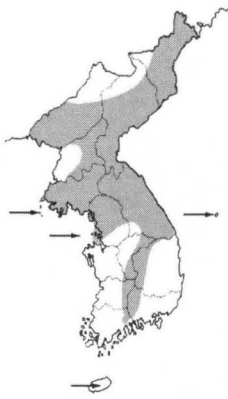
Vitis heyneana subsp.
ficifolia (Bunge) C. L. Li
까마귀머루



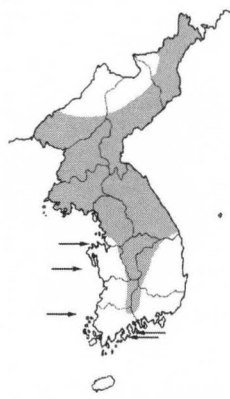
Elaeocarpus sylvestris
(Loureiro) Poiret var.
ellipticus (Thunb.) H. Hara
담팔수



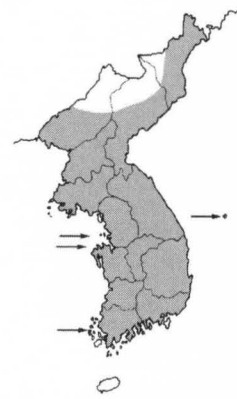
Grewia biloba G. Don
장구밤나무



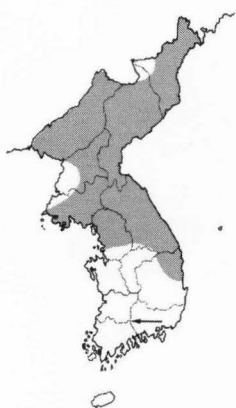
Tilia amurensis Rupr.
피나무



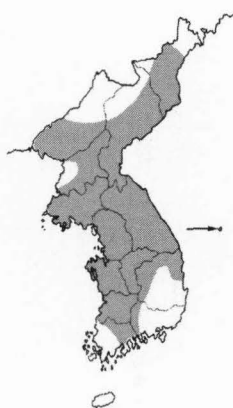
Tilia mandshurica Rupr. et
Maxim. 찰피나무



Actinidia arguta (Siebold et
Zucc.) Planch. ex Miq.
다래



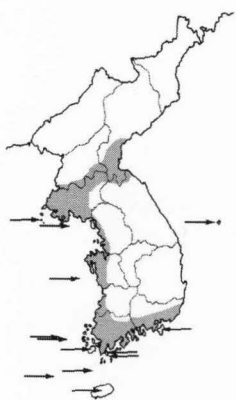
Actinidia kolomikta
(Maxim. et Rupr.) Maxim.
퀴다래



Actinidia polygama
(Siebold et Zucc.) Planchon
ex Maxim. 개다래



Actinidia rufa (Siebold &
Zuccarini) Planchon ex
Miquel 섬다래



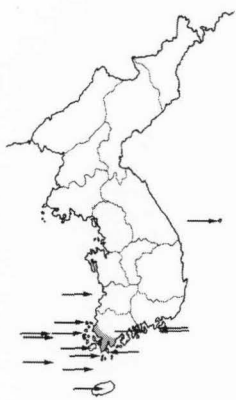
Camellia japonica L.
동백나무



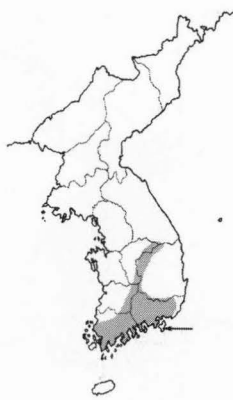
Cleyera japonica Thunb. ex
Siebold et Zucc. 비쭈기나무



Eurya emarginata (Thunb.)
Makino 우목사스레피나무



Eurya japonica Thunb.
사스레피나무



Stewartia pseudocamellia
Maxim.
노각나무



Ternstroemia gymnanthera
(Wright et Arnold) Spargue
후피향나무



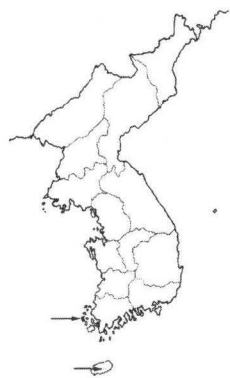
Idesia polycarpa Maxim.
이나무



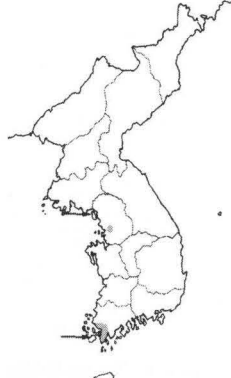
Daphne genkwa Siebold et
Zucc. 팔꽃나무



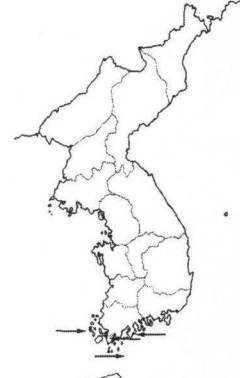
Daphne kamtschatica Maxim.
두메닥나무



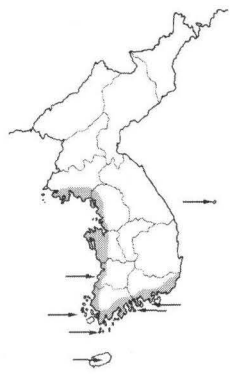
Daphne kiusiana Miq.
백서향



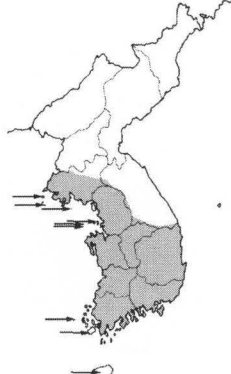
Wikstroemia trichotoma
(Thunb.) Makino
산닥나무



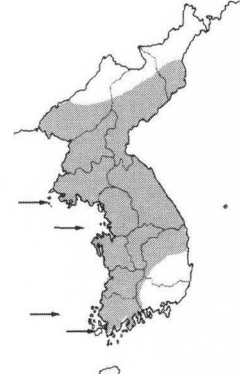
Elaeagnus glabra Thunb.
보리장나무



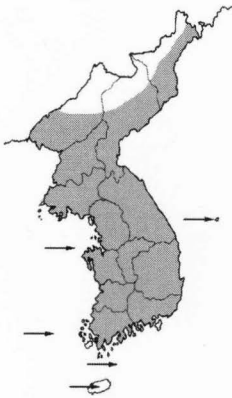
Elaeagnus macrophylla
Thunb.
보리밥나무



Elaeagnus umbellata Thunb.
보리수나무



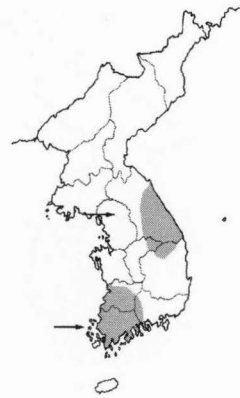
Alangium platanifolium
(Siebold et Zucc.) Harms
박쥐나무



Aralia elata (Miq.) Seem
두릅나무



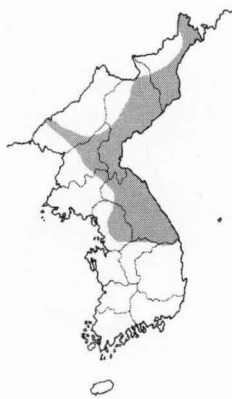
Dendropanax trifidus
(Thunb.) Makino ex H.Hara
황칠나무



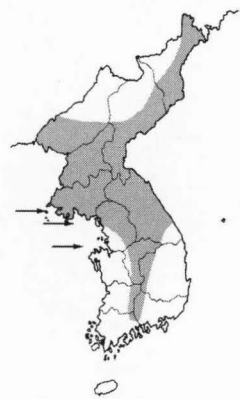
Eleutherococcus divaricatus
var. *chiisanensis* (Nakai) C. Kim
and B. Sun 지리산오갈피



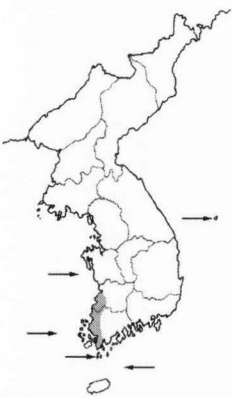
Eleutherococcus gracilistylus
(W. W. Sm.) S. Y. Hu
섬오갈피나무



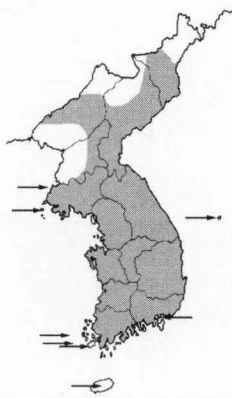
Eleutherococcus senticosus
(Rupr. et Maxim.) Maxim.
가시오갈피



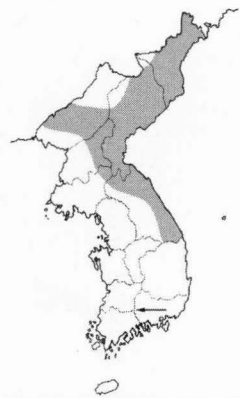
Eleutherococcus sessiliflorus
(Rupr. et Maxim.) S. Y. Hu
오갈피나무



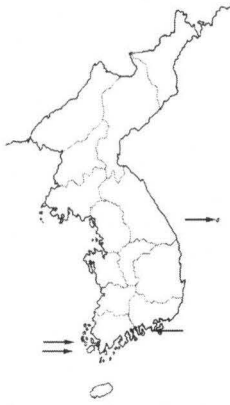
Hedera rhombea (Miq.)
Siebold et Zucc. ex Bean.
송악



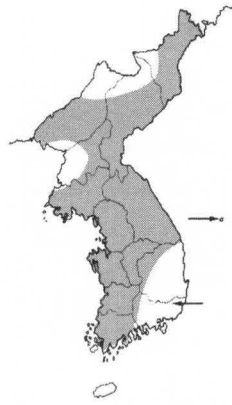
Kalopanax septemlobus
(Thunb.) Koidzumi
음나무



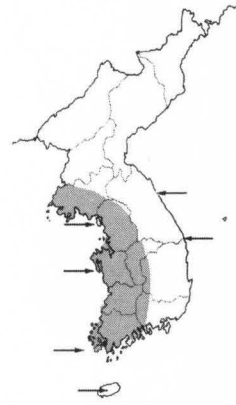
Oplopanax elatus (Nakai)
Nakai
땃두릅나무



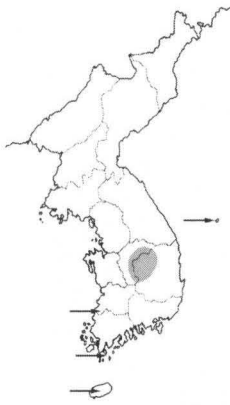
Aucuba japonica Thunb.
식나무



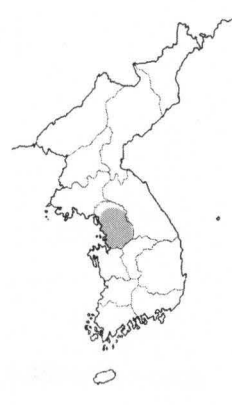
Cornus controversa Hemsley
ex Prain 층층나무



Cornus kousa F. Buerger
ex Hance 산딸나무



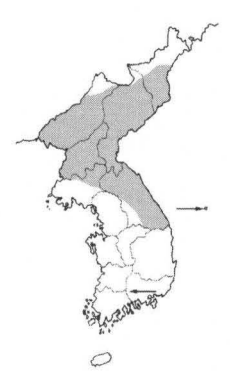
Cornus macrophylla Wallich
곰의말채



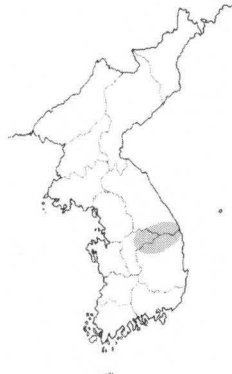
Cornus officinalis Siebold et
Zucc. 산수유



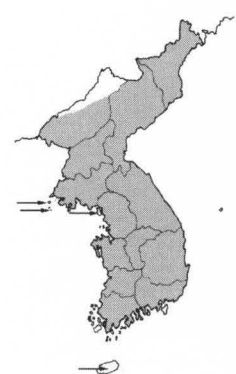
시로미



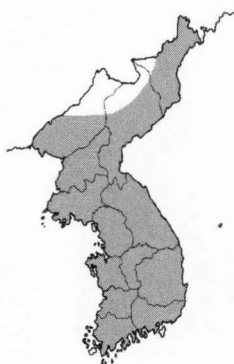
Rhododendron brachycarpum
D. Don ex G. Don 만병초



Rhododendron micranthum
Turcz. 꼬리진달래



Rhododendron mucronulatum
Turcz. 진달래



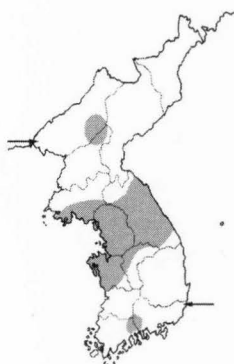
Rhododendron schlippenbachii Maxim. 철쭉



Rhododendron tschonoskii Maxim. 흰참꽃



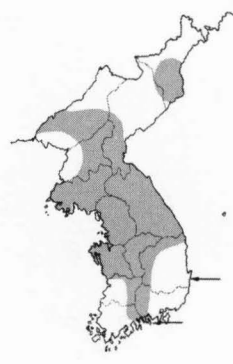
Rhododendron weyrichii Maxim. 참꽃나무



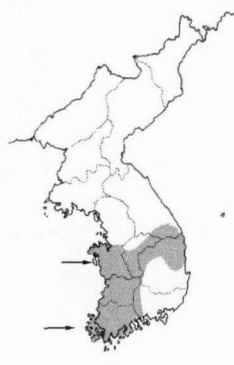
Rhododendron yedoense Maxim. f. *poukhanense* (H. Lév.) M. Sugim. ex T. Yamaz. 산철쭉



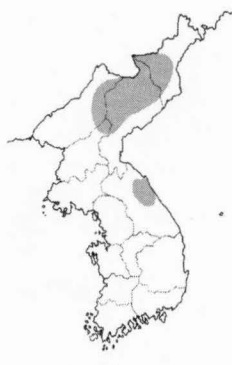
Vaccinium bracteatum Thunb. 모새나무



Vaccinium hirtum var. *koreanum* (Nakai) Kitamura 산앵도나무



Vaccinium oldhamii Miq. 정금나무



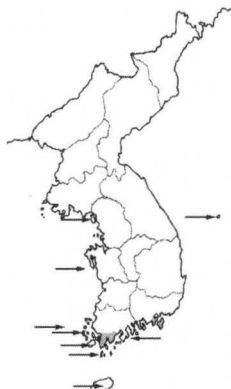
Vaccinium uliginosum L. 들쭉나무



Ardisia crenata Sims 백량금



Ardisia pusilla DC.
산호수



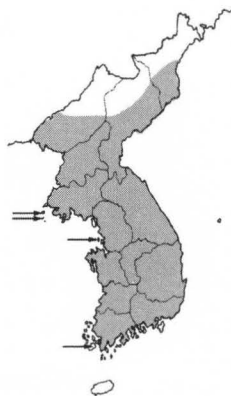
Ardisia japonica (Thunb.) Bl.
자금우



Symplocos coreana (H. Lév.)
Ohwi 섬노린재



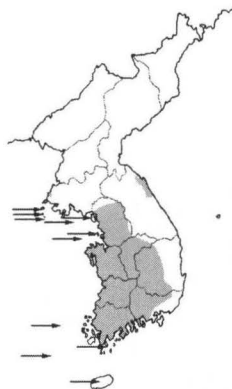
Symplocos prunifolia Siebold
et Zucc. 검은재나무



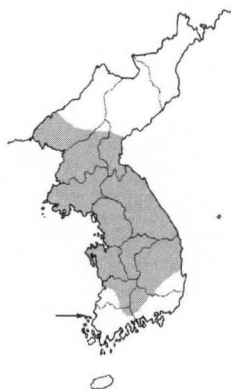
Symplocos sawafutagi
Nagam. 노린재나무



Symplocos tanakana Nakai
검노린재



Styrax japonicus Siebold et
Zucc. 매죽나무



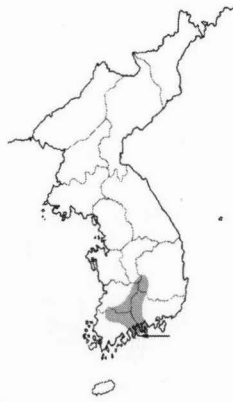
Styrax obassia Siebold et
Zucc. 쪽동백나무



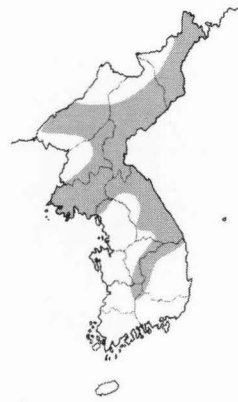
Abeliophyllum distichum
Nakai 미선나무



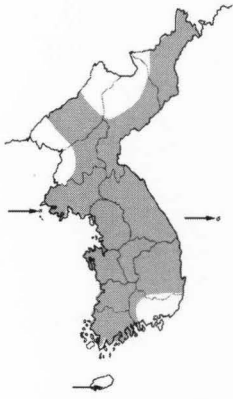
Chionanthus retusus Lindl. et Paxton 이팝나무



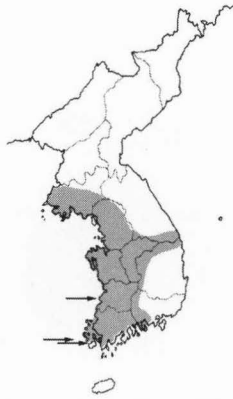
Fraxinus chiisanensis Nakai 물들메나무



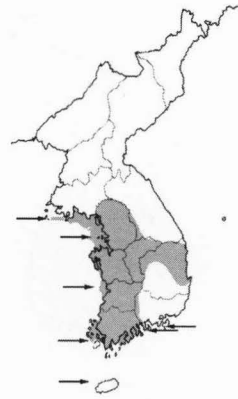
Fraxinus nigra var. *mandshurica* (Rupr.) Lingelsh. 들메나무



Fraxinus rhynchophylla Hance 물푸레나무



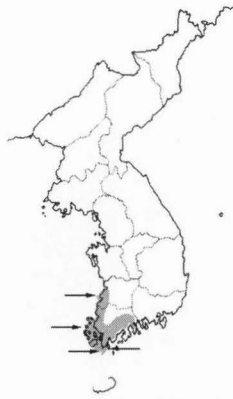
Fraxinus sieboldiana Blume 쇠물푸레



Ligustrum obtusifolium Siebold et Zucc. 쥐똥나무



Ligustrum ovalifolium Hasskarl 왕쥐똥나무



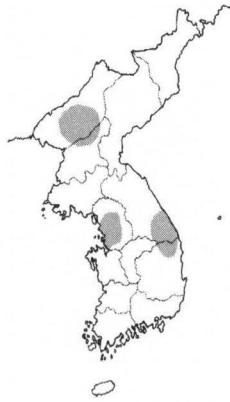
Ligustrum quihoui Carrere 상동잎쥐똥나무



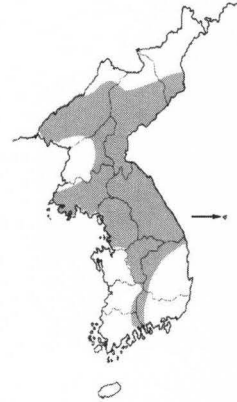
Ligustrum salicinum Nakai 버들쥐똥나무



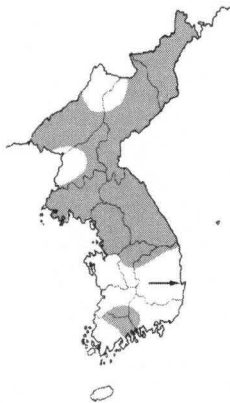
Osmanthus insularis Koidz.
박달목서



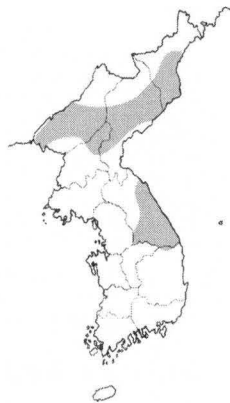
Syringa oblata subsp. *dilatata* (Rehder) P. S. Green et M. C. Chang
수수꽃다리



Syringa pubescens subsp. *patula* (Palibin) M. C. Chang et X. L. Chen
털개회나무



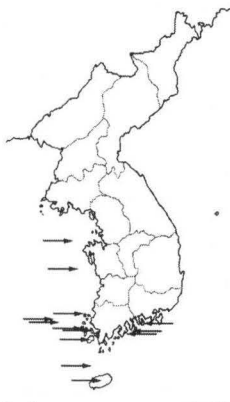
Syringa reticulata (Blume) H. Hara
개회나무



Syringa wolfii C. K. Schneid.
꽃개회나무



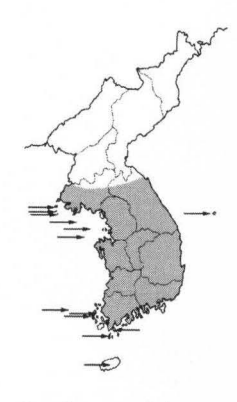
Gardneria nutans Siebold et Zucc.
영주치자



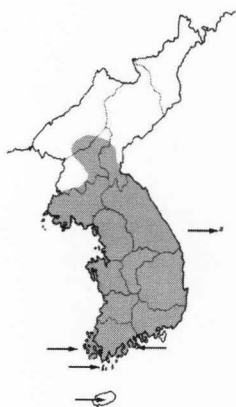
Trachelospermum asiaticum (Siebold et Zucc.) Nakai
마삭줄



Trachelospermum jasminoides (Lindl.) Lem.
털마삭줄



Clerodendrum trichotomum Thunb.
누리장나무



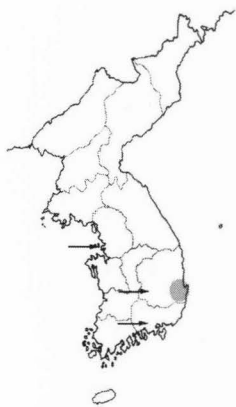
Callicarpa japonica Thunb.
작살나무



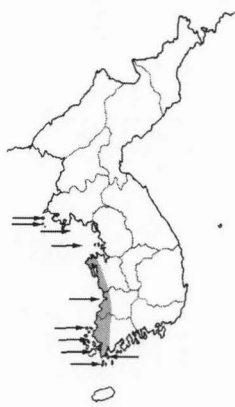
Callicarpa mollis Siebold et
Zucc. 새비나무



Caryopteris incana
(Thunb. ex Houttuyn) Miq.
층꽃나무



Vitex negundo L. var.
heterophylla (Franch.) Rehder
쭈뚝형



Vitex rotundifolia L. f.
순비기나무



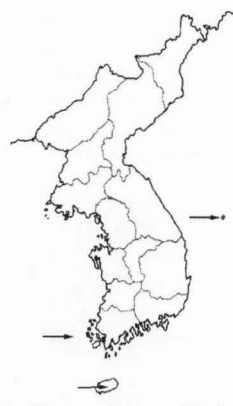
Adina rubella Hance
중대가리나무



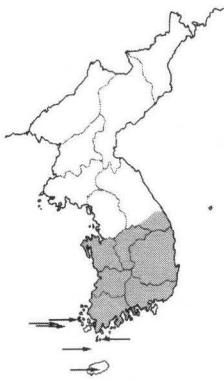
Damnacanthus indicus
C. F. Gaertn. subsp. *major*
(Siebold et Zucc.) Yamazaki
수정목



Damnacanthus indicus
C. F. Gaertn.
호자나무



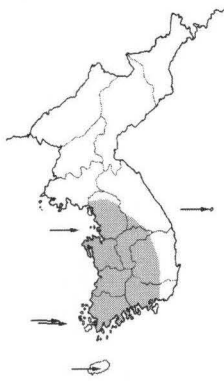
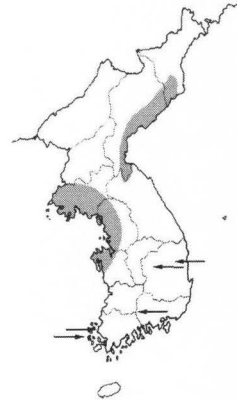
Mitchella undulata Siebold et
Zucc.
호자덩굴



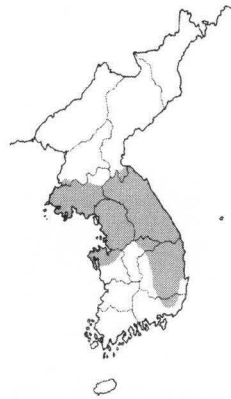
Paederia foetida L.
계요등



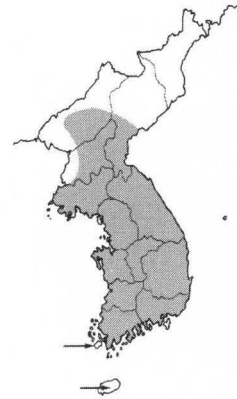
Thymus serpyllum L. subsp. *Lyctium chinense* Mill.
quinquecostatus (Celak.) Kitam. 구기자나무
백리향



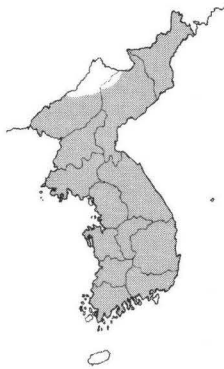
Solanum lyratum Thunb.
배풍동



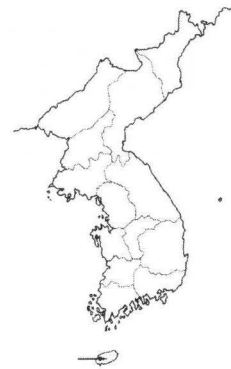
Paulownia tomentosa
(Thunb.) Stued. 참오동



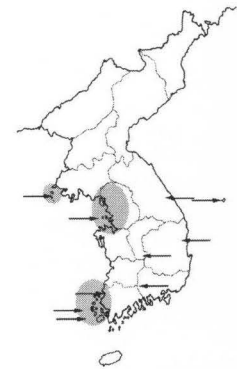
Lonicera japonica Thunb.
인동

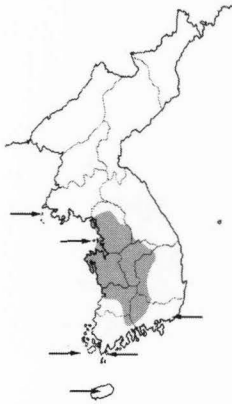


Sambucus racemosa L.
떡충나무

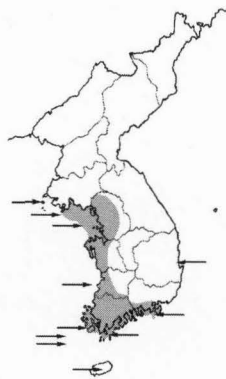


Sambucus racemosa L. subsp. *Viburnum carlesii* Hemsley
sieboldiana (Blume ex Miq.) 분꽃나무
H. Hara 덧나무

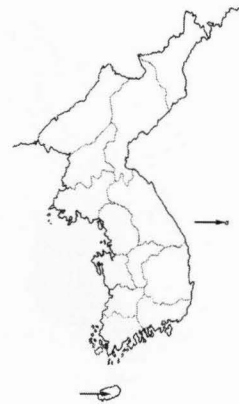




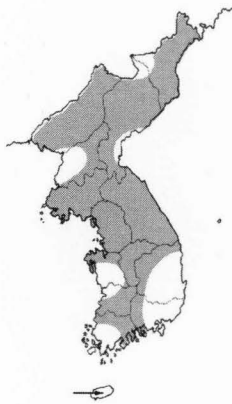
Viburnum dilatatum Thunb.
가막살나무



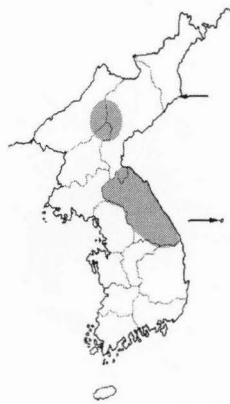
Viburnum erosum Thunb.
덜꿍나무



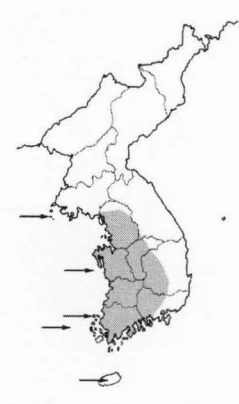
Viburnum furcatum Blume
ex Maxim. 분단나무



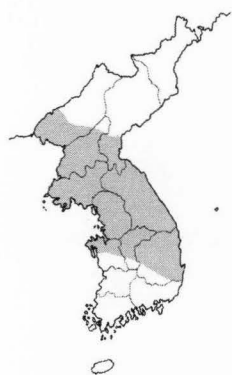
Viburnum opulus var.
calvescens (Rehder) H. Hara
백당나무



Viburnum wrightii Miq.
산가막살나무



Smilax china L.
청미래덩굴



Smilax sieboldii Miq.
청가시덩굴